

Chapter 38

DTD for Link-Fault Management Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-lfm.dtd`, which lists the JUNOS XML tags that contain information about link-fault management (802.3ah Operation, Administration, and Management). The associated XML namespace is <http://xml.juniper.net/junos/9.4R1/junos-lfm>. To review reference pages for the tags, see “Summary of Link-Fault Management Response Tags” on page 1092.

```
<!-- Copyright (c) 2000-2008, Juniper Networks, Inc. -->
```

```
<!-- All rights reserved. -->
```

```
<!-- junos-lfm.dtd -->
```

```
<!ELEMENT Ifmd-action-profile-execution-count (#PCDATA)>
```

```
<!ELEMENT Ifmd-action-profile-information (Ifmd-action-profile-name |  
Ifmd-action-profile-invoke-count | Ifmd-action-profile-execution-count)*>
```

```
<!ELEMENT Ifmd-action-profile-invoke-count (#PCDATA)>
```

```
<!ELEMENT Ifmd-action-profile-name (#PCDATA)>
```

```
<!ELEMENT Ifmd-clear-output (#PCDATA)>
```

```
<!ELEMENT Ifmd-critical-event-received (#PCDATA)>
```

```
<!ELEMENT Ifmd-discovery-flags (Ifmd-flag-remote-stable | Ifmd-flag-remote-evaluating |  
Ifmd-flag-remote-state-valid | Ifmd-flag-local-satisfied | Ifmd-flag-local-stable |  
Ifmd-pdu-flags)*>
```

```
<!ELEMENT Ifmd-discovery-state (#PCDATA)>
```

```
<!ELEMENT Ifmd-dying-gasp-received (#PCDATA)>
```

```
<!ELEMENT Ifmd-event-pdus-received (#PCDATA)>
```

```
<!ELEMENT Ifmd-event-pdus-transmitted (#PCDATA)>
```

```
<!ELEMENT Ifmd-event-received-frame-count (#PCDATA)>
```

```
<!ELEMENT Ifmd-event-received-frame-error (Ifmd-event-received-frame-error-window |  
Ifmd-event-received-frame-error-threshold | Ifmd-event-received-frame-error-count |  
Ifmd-event-received-frame-error-total-count | Ifmd-event-received-frame-count)*>
```

```

<!ELEMENT Ifmd-event-received-frame-error-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-error-threshold (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-error-total-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-error-window (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-period-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-period-error
(Ifmd-event-received-frame-period-error-window |
Ifmd-event-received-frame-period-error-threshold |
Ifmd-event-received-frame-period-error-count |
Ifmd-event-received-frame-period-error-total-count |
Ifmd-event-received-frame-period-count)*>

<!ELEMENT Ifmd-event-received-frame-period-error-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-period-error-threshold (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-period-error-total-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-period-error-window (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-seconds-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-seconds-error
(Ifmd-event-received-frame-seconds-error-window |
Ifmd-event-received-frame-seconds-error-threshold |
Ifmd-event-received-frame-seconds-error-count |
Ifmd-event-received-frame-seconds-error-total-count |
Ifmd-event-received-frame-seconds-count)*>

<!ELEMENT Ifmd-event-received-frame-seconds-error-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-seconds-error-threshold (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-seconds-error-total-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-frame-seconds-error-window (#PCDATA)>

<!ELEMENT Ifmd-event-received-symbol-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-symbol-error (Ifmd-event-received-symbol-error-window |
Ifmd-event-received-symbol-error-threshold | Ifmd-event-received-symbol-error-count |
Ifmd-event-received-symbol-error-total-count | Ifmd-event-received-symbol-count)*>

<!ELEMENT Ifmd-event-received-symbol-error-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-symbol-error-threshold (#PCDATA)>

<!ELEMENT Ifmd-event-received-symbol-error-total-count (#PCDATA)>

<!ELEMENT Ifmd-event-received-symbol-error-window (#PCDATA)>

```

```

<!ELEMENT Ifmd-event-transmitted-frame-count (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-frame-error
(Ifmd-event-transmitted-frame-error-window |
Ifmd-event-transmitted-frame-error-threshold | Ifmd-event-transmitted-frame-error-count |
Ifmd-event-transmitted-frame-error-total-count | Ifmd-event-transmitted-frame-count)*>

<!ELEMENT Ifmd-event-transmitted-frame-error-count (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-frame-error-threshold (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-frame-error-total-count (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-frame-error-window (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-symbol-count (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-symbol-error
(Ifmd-event-transmitted-symbol-error-window |
Ifmd-event-transmitted-symbol-error-threshold |
Ifmd-event-transmitted-symbol-error-count |
Ifmd-event-transmitted-symbol-error-total-count |
Ifmd-event-transmitted-symbol-count)*>

<!ELEMENT Ifmd-event-transmitted-symbol-error-count (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-symbol-error-threshold (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-symbol-error-total-count (#PCDATA)>

<!ELEMENT Ifmd-event-transmitted-symbol-error-window (#PCDATA)>

<!ELEMENT Ifmd-events (Ifmd-events-received | Ifmd-events-transmitted)*>

<!ELEMENT Ifmd-events-received (Ifmd-event-received-symbol-error |
Ifmd-event-received-frame-error | Ifmd-event-received-frame-period-error |
Ifmd-event-received-frame-seconds-error)*>

<!ELEMENT Ifmd-events-transmitted (Ifmd-event-transmitted-symbol-error |
Ifmd-event-transmitted-frame-error)*>

<!ELEMENT Ifmd-flag-local-satisfied EMPTY>

<!ELEMENT Ifmd-flag-local-stable EMPTY>

<!ELEMENT Ifmd-flag-remote-evaluating EMPTY>

<!ELEMENT Ifmd-flag-remote-stable EMPTY>

<!ELEMENT Ifmd-flag-remote-state-valid EMPTY>

<!ELEMENT Ifmd-information (Ifmd-interface-information |
Ifmd-action-profile-information)*>
<!ATTLIST Ifmd-information junos:style CDATA #IMPLIED>

<!ELEMENT Ifmd-information-pdus-received (#PCDATA)>

```

```

<!ELEMENT Ifmd-information-pdus-transmitted (#PCDATA)>

<!ELEMENT Ifmd-interface-information (Ifmd-interface-name | Ifmd-status |
Ifmd-discovery-state | Ifmd-discovery-flags | Ifmd-peer-address | Ifmd-peer-mux-action |
Ifmd-peer-parser-action | Ifmd-peer-config-mode | Ifmd-peer-config-unidirectional |
Ifmd-peer-config-loopback | Ifmd-peer-config-link-events |
Ifmd-peer-config-variable-request | Ifmd-loopback-local-enabled |
Ifmd-loopback-remote-enabled | Ifmd-statistics | Ifmd-events)*>

<!ELEMENT Ifmd-interface-name (#PCDATA)>

<!ELEMENT Ifmd-link-fault-received (#PCDATA)>

<!ELEMENT Ifmd-loopback-control-pdus-received (#PCDATA)>

<!ELEMENT Ifmd-loopback-control-pdus-transmitted (#PCDATA)>

<!ELEMENT Ifmd-loopback-local-enabled EMPTY>

<!ELEMENT Ifmd-loopback-remote-enabled EMPTY>

<!ELEMENT Ifmd-organization-pdus-received (#PCDATA)>

<!ELEMENT Ifmd-organization-pdus-transmitted (#PCDATA)>

<!ELEMENT Ifmd-pdu-flags (#PCDATA)>

<!ELEMENT Ifmd-peer-address (#PCDATA)>

<!ELEMENT Ifmd-peer-config-link-events (#PCDATA)>

<!ELEMENT Ifmd-peer-config-loopback (#PCDATA)>

<!ELEMENT Ifmd-peer-config-mode (#PCDATA)>

<!ELEMENT Ifmd-peer-config-unidirectional (#PCDATA)>

<!ELEMENT Ifmd-peer-config-variable-request (#PCDATA)>

<!ELEMENT Ifmd-peer-mux-action (#PCDATA)>

<!ELEMENT Ifmd-peer-parser-action (#PCDATA)>

<!ELEMENT Ifmd-statistics (Ifmd-statistics-received | Ifmd-statistics-transmitted)*>

<!ELEMENT Ifmd-statistics-received (Ifmd-information-pdus-received |
Ifmd-event-pdus-received | Ifmd-variable-request-pdus-received |
Ifmd-variable-response-pdus-received | Ifmd-loopback-control-pdus-received |
Ifmd-organization-pdus-received | Ifmd-unknown-pdus-received |
Ifmd-critical-event-received | Ifmd-dying-gasp-received | Ifmd-link-fault-received)*>

<!ELEMENT Ifmd-statistics-transmitted (Ifmd-information-pdus-transmitted |
Ifmd-event-pdus-transmitted | Ifmd-variable-request-pdus-transmitted |
Ifmd-variable-response-pdus-transmitted | Ifmd-loopback-control-pdus-transmitted |
Ifmd-organization-pdus-transmitted | Ifmd-unknown-pdus-transmitted)*>

<!ELEMENT Ifmd-status (#PCDATA)>

```

<!ELEMENT Ifmd-unknown-pdus-received (#PCDATA)>

<!ELEMENT Ifmd-unknown-pdus-transmitted (#PCDATA)>

<!ELEMENT Ifmd-variable-request-pdus-received (#PCDATA)>

<!ELEMENT Ifmd-variable-request-pdus-transmitted (#PCDATA)>

<!ELEMENT Ifmd-variable-response-pdus-received (#PCDATA)>

<!ELEMENT Ifmd-variable-response-pdus-transmitted (#PCDATA)>

