Chapter 3

Interim Local Management Interface Overview

The Integrated Local Management Interface (ILMI), provides a mechanism for Asynchronous Transfer Mode (ATM)-attached devices, such as hosts, routers, and ATM switches, to transfer management information. The ILMI provides bidirectional exchange of management information between two ATM interfaces across a physical connection. ILMI information is exchanged over a direct encapsulation of Simple Network Management Protocol (SNMP) version 1 (RFC 1157, *A Simple Network Management Protocol* [SNMP]) over ATM Adaptation Layer 5 (AAL5) using a virtual path identifier/virtual channel identifier (VPI/VCI) value (VPI = 0, VCI = 16).

The JUNOS software supports only two ILMI Management Information Base (MIB) variables: atmfMYIPNmAddress and atmfPortMyIfname. For ATM1 and ATM2 intelligent queuing (IQ) interfaces, you can configure ILMI to communicate directly to an attached ATM switch to enable querying of the switch's IP address and port number.

For more information about configuring ILMI, see the *JUNOS Interfaces and Class of Service Configuration Guide*. For information about displaying ILMI statistics, see the *JUNOS Network and Services Interfaces Command Reference*. For more information about the ILMI MIB, see the ATM Forum at http://www.atmforum.com/.