Network Management System Requirements

To manage a network of LightStream 2020 multiservice ATM switches (LS2020 switches), you must run the StreamView network management software on an appropriately configured network management system (NMS). The NMS, which must be a member of the Sun SPARCstation family of workstations, provides the means for configuring, monitoring, and controlling LS2020 switches throughout your network.

Note   You can run StreamView on the NMS either with or without HP OpenView. However, the LS2020 topology map, which generates a graphical representation of an LS2020 network, must be run in conjunction with HP OpenView.

NMS Hardware Requirements

The hardware requirements for running the NMS software are outlined below.

- **NMS workstation**—Sun SPARCstation (Model 2 or higher, including IPX and IPC).

- **Random access memory (RAM)**—For the NMS workstation:
  - Minimum—64 MB
  - Recommended—128 MB

- **Free disk space**—For installing StreamView:
  - 15 MB—If you run StreamView *with* HP OpenView
  - 12 MB—If you run StreamView *without* HP OpenView

- **Swap space**—For dynamic swapping:
  - 64 MB—If you *do not run* HP OpenView
  - 256 MB—If you *do run* HP OpenView

  Consult the HP OpenView documentation for detailed information about reserving swap space.

- **Hard disk storage**—For standalone NMS workstation:
  - 500 MB recommended—For an NMS on which you *will not run* HP OpenView
  - 1 GB recommended—For an NMS on which you *will run* HP OpenView

> **Note** If you plan to load additional software onto your NMS hard disk other than that described in the section below entitled "NMS Software Requirements," you may need an even larger hard disk.

- Ethernet port
- Quarter-inch tape drive for installing StreamView from software distribution tape
- Color monitor for using StreamView

NMS Software Requirements

To use the StreamView network management application, the following software must be installed on the NMS hard disk:

- SunOS 4.1.3 or 4.1.4. SunOS 4.1.4 requires SunOS patch 102264-02.

> **Note** The operating system required for LS2020 network management is *not* the default software currently being shipped with new Sun SPARCstations. To use StreamView on the NMS, you must specifically ask for the SunOS 4.1.3 or SunOS 4.1.4 operating system to be installed on the NMS hard disk.

- X window system X11R5
- Motif 1.2 window manager

You have the option of running HP OpenView on the NMS in conjunction with StreamView. If you elect to run HP OpenView, the following version information is applicable:

- HP OpenView, Version 3.3.
- HP OVIC, Version 1.4 or later (containing the HP OpenView installation utilities file set).

> **Note** If you intend to use the LS2020 topology map, HP OpenView must be installed on the NMS hard disk.

For more information about HP OpenView operating requirements, see the *HP OpenView Management Platform Performance and Configuration Guide*.