



About This Manual

This section discusses the objectives, audience, organization, and conventions of the *LightStream 2020 Traps Reference Manual*. It also lists related Cisco documentation for the LightStream 2020 multiservice ATM switch (LS2020 switch).

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Document Objectives

This manual describes the traps (error and event messages) generated by the LS2020 switch and explains how they are generated. It provides procedures for setting trap levels, viewing traps, logging traps, and reading and customizing trap logs. The manual also describes all operational, informational, and SNMP traps; descriptions include the name of each trap, the trap text, the cause of the trap, and possible user actions.

Audience

The *LightStream 2020 Traps Reference Manual* is intended for anyone who operates or manages a LightStream 2020 network.

Users of the LightStream 2020 document set are expected to have a general understanding of basic data communications concepts, some knowledge of UNIX, and a familiarity with the interfaces used by the devices connected to their LightStream 2020 network.

It is recommended that you have a working knowledge of TCP/IP networks and protocols. For more information about TCP/IP networks, refer to *Internetworking with TCP/IP, Volume 1, Principles, Protocols, and Architecture*, by Douglas E. Comer (Prentice-Hall Inc., 1991, ISBN 0-13-468505-9).

Document Organization

This manual is organized as follows:

- Chapter 1, “About LightStream 2020 Traps,” presents an overview of LS2020 traps.
- Chapter 2, “Managing LightStream 2020 Traps,” explains how to change the way traps are reported and where they are displayed.
- Chapter 3, “SNMP Traps,” describes the SNMP traps generated by the LS2020 switch.
- Chapter 4, “Operational Traps,” describes the operational traps generated by the LS2020 switch.
- Chapter 5, “Informational Traps,” describes the informational traps generated by the LS2020 switch.

Document Conventions

The following conventions are used to distinguish different types of text:

- Commands and keywords are in **boldface**.
- Screen output appears in `screen` font.
- In interactive examples, user input is in **boldface**.
- In command syntax statements:
 - Variables that you must replace with specific values are surrounded by angle brackets (< >).
 - Optional arguments are surrounded by square brackets ([]).
 - Alternative arguments are separated by vertical bars and are grouped within curly brackets({}).
- Names of keys on the keyboard are indicated in bold type with initial caps; for example, the **Tab** key.
- The control key is indicated by a caret preceding a letter; for example, ^A means Control-A.

Note Wherever appropriate in the body of this document, a “Note” serves as a flag, calling your attention to helpful information, suggestions, or references to related material not otherwise incorporated into the document.



Caution This construct in the body of the document advises you *to be careful*, alerting you to avoid an action that could result in equipment damage or loss of data.



Warning This construct in the body of the document warns you of *danger*, alerting you to a situation that could cause bodily injury. Before working on any equipment, you must be aware of the hazards associated with electrical circuitry; also, you should be familiar with standard practices for accident prevention.

LightStream 2020 Documentation

The following is a list of related Cisco Systems' LightStream 2020 documents:

- *LightStream 2020 System Overview*

This overview introduces the LS2020 switch and the Asynchronous Transfer Mode (ATM) technology on which the LS2020 product is based. It describes the traffic flow through a LS2020 network. In addition, it describes key features, such as traffic and network management.

- *LightStream 2020 Site Planning and Cabling Guide*

This guide tells you how to prepare your site to receive LS2020 hardware. It includes space, environmental and electrical requirements, rack selection guidelines, requirements for the management workstation, and information on cables and connectors.

- *LightStream 2020 Installation Guide*

This guide tells you how to install and set up LS2020 switches and how to install LS2020 management software on your network management workstation.

- *LightStream 2020 Hardware Reference & Troubleshooting Guide*

This guide provides a detailed description of LS2020 hardware and tells you how to diagnose hardware problems and how to replace faulty hardware components.

- *LightStream 2020 Configuration Guide*

This guide provides the information you need to configure LS2020 switches. It provides a functional overview of the configuration programs. It describes the configuration database and gives detailed information on all configurable attributes and their settings. The guide also provides step-by-step configuration procedures.

- *LightStream 2020 Network Operations Guide*

This guide is a task-oriented book that tells you how to operate a network of LS2020 switches. The guide presents an overview of network operations tasks, describes the command line interface (CLI), and presents procedures for performing monitor and control tasks such as displaying the status of nodes, cards and ports, viewing statistics, and creating collections of traffic data.

- *LightStream 2020 NP O/S Reference Manual*

This manual provides detailed descriptions of the most frequently used LynxOS commands and of the bash shell. It also provides a tutorial introduction and reference guide to the vi editor.

- *LightStream 2020 Traps Reference Manual*

This manual presents an overview of LS2020 traps and how they are generated by the LS2020 switch. It provides the procedures for managing trap reporting, such as setting trap levels, enabling/disabling individual traps, and determining where the traps are displayed. It also describes the SNMP, operational, and informational traps, including trap name, text, cause, and user response.

- *LightStream 2020 CLI Reference Manual*

This manual provides detailed descriptions of the syntax and functions of all CLI commands. It also describes the LS2020 private MIB.

- *LightStream 2020 Command Line Interface (CLI) Reference Card*

The reference card compactly summarizes the syntax and arguments of CLI commands.

- *LightStream 2020 Release Notes*

The release notes provide a software upgrade procedure and describe new features and special considerations for a specific software release, including known software bugs.

Note Release notes contain important information not available at the time other products documents were finalized for publication.

- *LightStream 2020 Online Help*

The LS2020 command line interface (CLI) and configuration program both support online help facilities.

- *Internetworking Terms and Acronyms*

This guide is a glossary of terms and acronyms used in the field of internetworking, including material of interest to users of the LS2020 switch.

To order these publications, contact your sales representative. (The Customer Order Number for each manual is located at the bottom of its title page.) Customer Service can provide you with the name of your sales representative if necessary.

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