About This Guide

This section describes document objectives, audience, organization, and conventions. This section also provides guidelines for obtaining additional information.

Document Objectives

The purpose of this guide is to help you configure your Cisco 6732 or Cisco 6705 network element (NE) using the Element Management System (EMS) software.

Audience

This guide is intended primarily for the following audiences:

- Customers with technical networking background and experience

- Customers who support dial-in users

- System administrators who are familiar with the fundamentals of the Cisco 6700 Series, but who might not be familiar with EMS

- System administrators who are responsible for installing and configuring internetworking equipment, and who are familiar with EMS

Document Organization

This document describes software installation, configuration, and troubleshooting instructions, which are included in the following chapters and appendixes:

Chapter 1	Overview	Provides a functional overview of EMS, including basic navigation and interface tips.
Chapter 2	EMS Installation	Describes the installation process for Windows NT, Windows 95/98, and UNIX workstations.
Chapter 3	Initial Provisioning	Provides a series of procedures for the initial configuration of a Cisco 6700 NE.
Chapter 4	Provisioning Nodes	Provides node and network provisioning procedures for the Cisco 6700 series network.
Chapter 5	Provisioning Cards and Lines	Provides card and line provisioning procedures for all Cisco 6700 series cards.
Chapter 6	Inter-Node Data Links	Lists procedures for creating an inter-node data link (INDL) between two Cisco 6700 NEs.
Chapter 7	Provisioning GR-303 and TR-008	Lists procedures for provisioning interface groups and call reference values (CRV) for GR-303 and TR-008 operation.
Chapter 8	Provisioning TDM Cross Connections	Lists procedures for creating internal or inter-node cross connections on the Cisco 6700 NE.
Chapter 9	Provisioning ATM	Lists procedures for creating ATM circuits and connections on the Cisco 6700 NE.
Chapter 10	Embedded Software Utilities	Describes software upgrades and database backup/restore procedures.
Chapter 11	Element Management System Utilities	Describes management utilities such as the EMS activity scheduler.
Chapter 12	Element Management System Alarm Server	Describes the EMS alarm server.
Chapter 13	System Maintenance and Monitoring	Provides instructions for gathering information about the Cisco 6700 NE, including alarms, events, and node logs.

Document Conventions

The EMS user guide uses the following conventions:

Convention	Description
boldface	Boldface is used to call out EMS text, such as menu items, clickable text buttons, and data entry fields.
>	A greater-than sign is used to show multiple levels of menu selections. For example, **File > Exit** indicates that the user should click **File** in the menu bar, then click **Exit** in the pull-down menu.

The following conventions are used to attract the reader's attention:

Note   Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

Caution Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Timesaver Means the described action saves time. You can save time by performing the action described in the paragraph.

Tips Means the following information might help you solve a problem.

Related Documentation

Refer to the following documents for detailed site planning and system hardware installation information:

- *Cisco 6705 Integrated Access Device Hardware Installation Guide*
- *Cisco 6732 Full Access Device Hardware Installation Guide*

Obtaining Documentation

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at http://www.cisco.com, http://www-china.cisco.com, or http://www-europe.cisco.com.

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM is updated monthly. Therefore, it is probably more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

Ordering Documentation

Registered CCO users can order the Documentation CD-ROM and other Cisco Product documentation through our online Subscription Services at http://www.cisco.com/cgi-bin/subcat/kaojump.cgi.

Nonregistered CCO users can order documentation through a local account representative by calling Cisco's corporate headquarters (California, USA) at 408 526-4000 or, in North America, call 800 553-NETS (6387).

Obtaining Technical Assistance

Cisco provides Cisco Connection Online (CCO) as a starting point for all technical assistance. Warranty or maintenance contract customers can use the Technical Assistance Center. All customers can submit technical feedback on Cisco documentation using the web, e-mail, a self-addressed stamped response card included in many printed docs, or by sending mail to Cisco.

Cisco Connection Online

Cisco continues to revolutionize how business is done on the Internet. Cisco Connection Online is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information and resources at anytime, from anywhere in the world. This highly integrated Internet application is a powerful, easy-to-use tool for doing business with Cisco.

CCO's broad range of features and services helps customers and partners to streamline business processes and improve productivity. Through CCO, you will find information about Cisco and our networking solutions, services, and programs. In addition, you can resolve technical issues with online support services, download and test software packages, and order Cisco learning materials and merchandise. Valuable online skill assessment, training, and certification programs are also available.

Customers and partners can self-register on CCO to obtain additional personalized information and services. Registered users may order products, check on the status of an order and view benefits specific to their relationships with Cisco.

You can access CCO in the following ways:

- WWW: www.cisco.com

- Telnet: cco.cisco.com

- Modem using standard connection rates and the following terminal settings: VT100 emulation; 8 data bits; no parity; and 1 stop bit.

  — From North America, call 408 526-8070

  — From Europe, call 33 1 64 46 40 82

You can e-mail questions about using CCO to cco-team@cisco.com.

Technical Assistance Center

The Cisco Technical Assistance Center (TAC) is available to warranty or maintenance contract customers who need technical assistance with a Cisco product that is under warranty or covered by a maintenance contract.

To display the TAC web site that includes links to technical support information and software upgrades and for requesting TAC support, use www.cisco.com/techsupport.

To contact by e-mail, use one of the following:

Language	E-mail Address
English	tac@cisco.com
Hanzi (Chinese)	chinese-tac@cisco.com
Kanji (Japanese)	japan-tac@cisco.com
Hangul (Korean)	korea-tac@cisco.com
Spanish	tac@cisco.com
Thai	thai-tac@cisco.com

In North America, TAC can be reached at 800 553-2447 or 408 526-7209. For other telephone numbers and TAC e-mail addresses worldwide, consult the following web site: http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml.

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To submit your comments by mail, for your convenience many documents contain a response card behind the front cover. Otherwise, you can mail your comments to the following address:

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