About This Guide

This section discusses the revisions made to this publication, describes how to get the latest version of this publication, and the conventions used in this guide.

Changes to This Guide

Version	New/Changed Feature	Description
78-3875-03	The setup script has been updated to reflect the changes in Cisco IOS Release 11.3(2)T.	The setup script displays options available for CAS options. Also, when you select the number of controllers to be used for Integrated Services (ISDN) Primary Rate Interface (PRI), the system automatically configures all selected controllers for ISDN PRI.
	Displaying command options.	Procedure on displaying options for commands when configuring your access server.
	R2 signaling.	Procedure on using the R2 signaling feature. This feature is available only for MICA modems.
	6-port MICA modem modules and carrier cards.	Procedures on configuring 6-port MICA modem modules and carrier cards.
	Dual T1/PRI and E1/PRI feature cards.	Procedures on configuring dual T1/PRI and E1/PRI feature cards.
	Country codes for modems and modem pooling.	Tables listing countries you can configure automatically for modems and procedures on using modem pooling.
	Upgrading modem code.	Procedures on upgrading modem code from Cisco Connection Online (CCO) or from diskettes.

Where to Get the Latest Version of This Guide

The hard copy of this guide is updated at major releases only and does not always contain the latest material for enhancements occurring between major releases. You are shipped separate release notes or configuration notes for spares, hardware, and software enhancements occurring between major releases.

The online copy of this guide is always up-to-date and integrates the latest enhancements to the product. You can access the current online copy of this guide on the World Wide Web at http://www.cisco.com, http://www-china.cisco.com, or http://www-europe.cisco.com.

Conventions

This document uses the following conventions:

Convention	Meaning	Comments
Boldface	Commands and keywords you enter literally as shown	**offset-list**
Italics	Variables for which you supply values	**command** *type interface*
		You replace the variable with the type of interface.
		In contexts that do not allow italics, such as online help, arguments are enclosed in angle brackets (< >).
Square brackets ([ ])	Optional elements	**command** [abc]
		abc is optional (not required), but you can choose it.
Vertical bars (	)	Separated alternative elements	**command** [abc	def]
		You can choose either abc or def, or neither, but not both.
Braces ({ })	Required choices	**command** { abc	def }
		You **must** use either abc **or** def, but not both.
Braces and vertical bars within square brackets ([{	}])	A required choice within an optional element	**command** [abc { def	ghi }]
		You have three options:
		• nothing
		• abc def
		• abc ghi
Caret character (^)	Control key	The key combinations ^D and Ctrl-D are equivalent: Both mean hold down the Control key while you press the D key. Keys are indicated in capital letters, but are not case sensitive.

Convention	Meaning	Comments
A string	A nonquoted set of characters	For example, when setting an SNMP community string to *public*, do not use quotation marks around the string; otherwise, the string will include the quotation marks.
`System prompts`	Denotes interactive sessions, indicates that the user enters commands at the prompt	The system prompt indicates the current command mode. For example, the prompt `Router (config) #` indicates global configuration mode.
`Screen` font	Terminal sessions and information the system displays	
Angle brackets (< >)	Nonprinting characters such as passwords	
Exclamation points (!) at the beginning of a line	A comment line	Comments are sometimes displayed by the Cisco IOS software.

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

Note Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.