About This Manual

This section discusses the objectives, audience, organization, and conventions of the *Access and Communication Servers Command Reference* publication.

Document Objectives

This publication provides an in-depth description of the commands necessary for configuring and maintaining your communication server. It describes tasks only in the context of using a particular command; it does not describe how the tasks interrelate or provide comprehensive configuration examples. It can be used as a standalone reference manual or in conjunction with the *Access and Communication Servers Configuration Guide*.

See the *Cisco Access Connection Guide* for information about making connections to communication servers.

Audience

This publication is intended as a standalone document for experienced users who will be configuring and maintaining communication server and just need to reference commands. For less-experienced users who need to understand the tasks as well as the commands, it is intended as a companion guide to the *Access and Communication Servers Configuration Guide*.

Document Organization

This publication is divided into seven main parts and appendixes. Each part comprises chapters describing related tasks or functions. The organization of parts and chapters in this publication matches the organization of parts and chapters in the *Access and Communication Servers Configuration Guide*, except that this document contains appendixes. The parts in this publication are as follows:

- Part 1, "Product Introduction," provides an overview of communication server functionality and hardware configuration options, and introduces you to the communication server user interface.

- Part 2, "System & Interface Configuration & Management," describes commands used to perform basic system and interface configuration, monitoring, and management tasks.

- Part 3, "Wide-Area Networking," describes commands used to configure dial-on-demand routing (DDR), X.25, SMDS, and Frame Relay WAN software.

- Part 4, "Terminal Services," describes commands used to configure your communication server for terminal connections and terminal services, including Telnet, LAT, and TN3270.

- Part 5, "Telecommuting Services," describes commands used to configure your communication server to support telecommuting services, including SLIP, PPP, and XRemote.

- Part 6, "Routing Services," describes commands used to configure and manage the IP and IPX protocols for routing.

- Part 7, "Protocol Translation," describes commands used to configure your communication server to support protocol translation.

- "Appendixes" contains four appendixes including the ASCII character set, regular expressions, a list of references and recommended reading, and X.3 PAD parameters.

Document Conventions

Software and hardware documentation uses the following conventions:

- The symbol ^ represents the key labeled *Control*.

  For example, the key combination *^D* means hold down the *Control* key while you press the *D* key.

- A string is defined as a nonquoted set of characters. For example, when setting up a community string for SNMP to "public," do not use quotes around the string, or the string will include the quotation marks.

Command descriptions use these conventions:

- Commands and keywords are in **boldface** font.

- Arguments for which you supply values are in *italic* font.

- Elements in square brackets ([ ]) are optional.

- Alternative but required keywords are grouped in braces ({ }) and separated by vertical bars (|).

Examples use these conventions:

- Examples that contain system prompts denote interactive sessions, indicating 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.

- Terminal sessions and information the system displays are in `screen` font.

- Information you enter is in **`boldface screen`** font.

- Nonprinting characters, such as passwords, are in angle brackets (< >).

- Default responses to system prompts are in square brackets ([ ]).

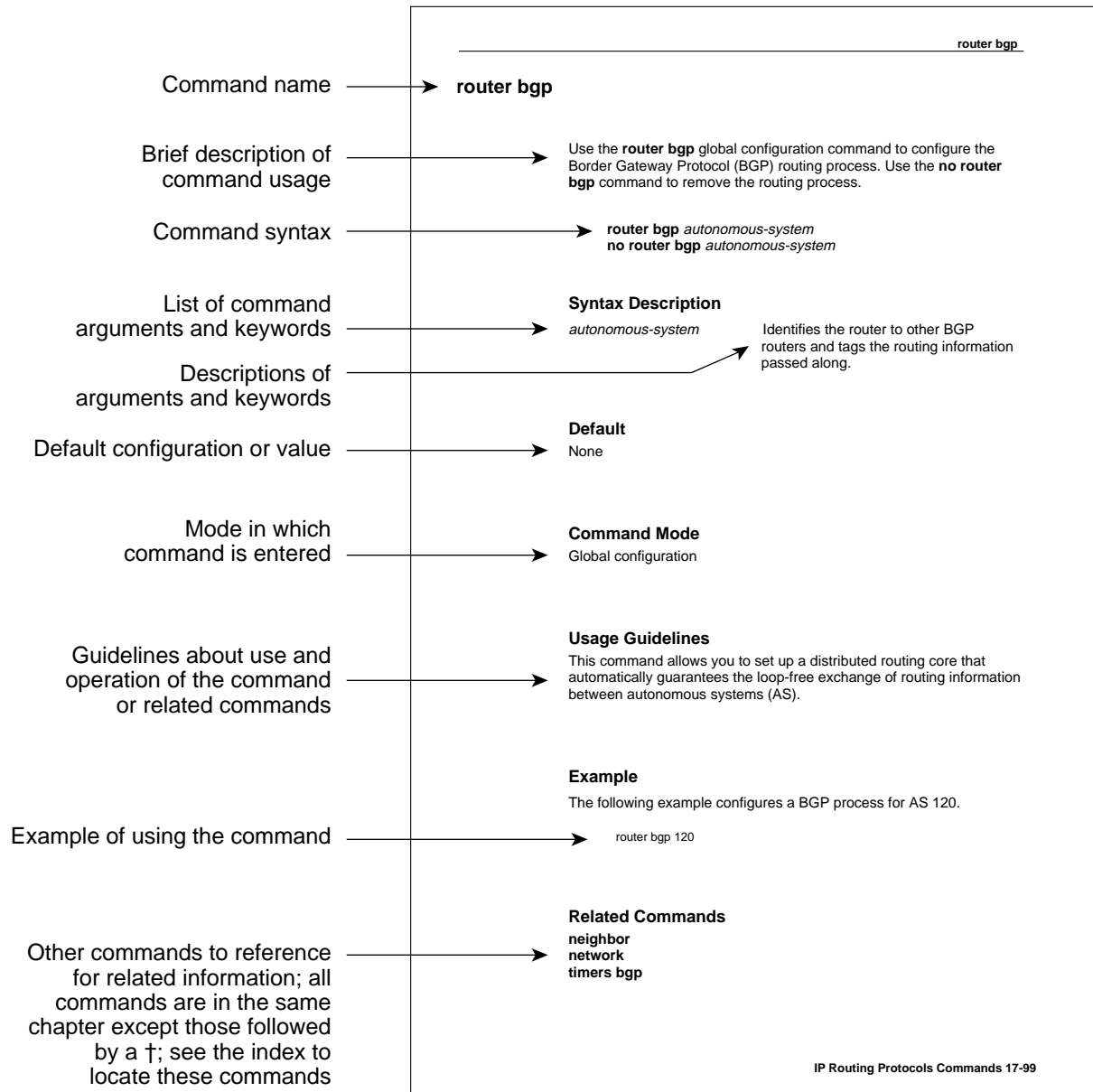- Exclamation points (!) at the beginning of a line indicate a comment line.

Caution   Means *reader be careful*. You are capable of doing something that might 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.

The following illustration explains the fields on a typical command reference page:

Command name

Brief description of command usage

Command syntax

List of command arguments and keywords

Descriptions of arguments and keywords

Default configuration or value

Mode in which command is entered

Guidelines about use and operation of the command or related commands

Example of using the command

Other commands to reference for related information; all commands are in the same chapter except those followed by a †; see the index to locate these commands

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router bgp

router bgp

Use the **router bgp** global configuration command to configure the Border Gateway Protocol (BGP) routing process. Use the **no router bgp** command to remove the routing process.

router bgp *autonomous-system*
no router bgp *autonomous-system*

Syntax Description

autonomous-system   Identifies the router to other BGP routers and tags the routing information passed along.

Default
None

Command Mode
Global configuration

Usage Guidelines
This command allows you to set up a distributed routing core that automatically guarantees the loop-free exchange of routing information between autonomous systems (AS).

Example
The following example configures a BGP process for AS 120.

    router bgp 120

Related Commands
neighbor
network
timers bgp

IP Routing Protocols Commands 17-99

S1919