



APPENDIX **A**

Acronyms

Table A-1 defines the acronyms used in this publication.

Table A-1 **List of Acronyms**

Acronym	Expansion
AAA	authentication, authorization, accounting
AAL	ATM adaptation layer
ACE	access control entry
ACL	access control list
AES	Advanced Encryption Standard
AFI	authority and format identifier
AMP	active monitor present
AIS	Alarm Indication Signal
APaRT	automated packet recognition and translation
ARP	Address Resolution Protocol
AS	autonomous system
ASLB	accelerated server load balancing
ATM	Asynchronous Transfer Mode
BDD	binary decision diagram
BER	baud error rate
BES	bursty errored seconds
BIA	bottom interface adapter
BPDU	bridge protocol data unit
BRF	bridge relay function
BUS	broadcast and unknown server
CAM	content-addressable memory
CC	continuity check
CCM	continuity check messagess
CDP	Cisco Discovery Protocol
CE	customer edge

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
CEF	Cisco Express Forwarding
CFM	Connectivity Fault Management
CLI	command-line interface
CMM	Communications Media Module
COPS	Common Open Policy Service
COPS-DS	COPS Differentiated Services
COPS-PR	COPS for Provisioning
CoS	class of service
CPLD	Complex Programmable Logic Device
CRAM	compression and reordering of ACL masks
CRC	cyclic redundancy check
CRF	concentrator relay function
CSID	Customer Service Instance Identifier
CTA	Cisco Trust Agent
DAI	Dynamic ARP Inspection
DCC	Data Country Code
DDR	Double Data Rate
DEC	Digital Equipment Corporation
DES	Data Encryption Standard
DFI	Domain-Specific Part Format Identifier
DHCP	Dynamic Host Configuration Protocol
DISL	Dynamic Inter-Switch Link
DMP	Data movement processor
DNS	Domain Name System
DOM	Digital Optical Monitoring
DRAM	dynamic RAM
DRiP	Dual Ring Protocol
DSAP	destination service access point
DSBM	Designated Subnet Bandwidth Manager
DSCP	differentiated services code point
DSP	digital signal processing or processor
DTP	Dynamic Trunking Protocol
DWDM	dense wavelength division multiplexing
EAP	Extensible Authentication Protocol
EAPoUDP ¹	Extensible Authentication Protocol over User Datagram Protocol
EARL	Enhanced Address Recognition Logic

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
EEPROM	electrically erasable programmable read-only memory
ELMI	Ethernet Local Management Interface
EOAM	Ethernet Operation, Administration, and Maintenance
EOBC	Ethernet Out-of-Band Channel
EoU ¹	Extensible Authentication Protocol over User Datagram Protocol
EPLD	Erasable Programmable Logic Device
ESI	end-system identifier
EVC	Ethernet Virtual Connection
FCS	frame check sequence
FDL	facilities data link
FEFI	far end fault indication
FIB	Forwarding Information Base
FTP	File Transfer Protocol
FWSM	Firewall Services Module
GARP	General Attribute Registration Protocol
GBIC	Gigabit Interface Converter
GDA	Group Destination Address
GMRP	GARP Multicast Registration Protocol
GSR	Gigabit Switch Router
GVRP	GARP VLAN Registration Protocol
HCRMON	High Capacity RMON
HDD	hard disk drive driver
HTTP	HyperText Transfer Protocol
IAB	Inaccessible Authentication Bypass
ICD	International Code Designator
ICMP	Internet Control Message Protocol
IETF	Internet Engineering Task Force
IDP	initial domain part
IDPROM	Serial EEPROM with FRU information
IDS	Intrusion Detection System Module
IGMP	Internet Group Management Protocol
ILMI	Integrated Local Management Interface
IP	Internet Protocol
IPC	interprocessor communication
IPX	Internetwork Packet Exchange
ISL	Inter-Switch Link

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
ISO	International Organization of Standardization
IST	Internal Spanning Tree
KDC	Key Distribution Center
LACP	Link Aggregation Control Protocol
LAN	local-area network
LANE	LAN Emulation
LBR	loopback replies
LCP	Link Control Protocol
LCV	line code violation seconds
LDA	LocalDirector Accelerator
LD	Local Director
LEC	LAN emulation client
LECS	LAN emulation configuration server
LEM	link error monitor
LER	link error rate
LES	LAN emulation server or line errored seconds
LLC	logical link control
LPIP	LAN Port IP
LTR	linktrace replies
MA	Maintenance Association
MAC	Media Access Control
MAID	Maintenance Association identifier
MDG	multiple default gateway
MDI	media-dependent interface
MDIX	media-dependent interface in crossover mode
MEP	Maintenance End Point
MIB	Management Information Base
MII	media-independent interface
MIP	Maintenance Intermediate Point
MISTP	Multi-Instance Spanning Tree Protocol
MLS	multilayer switching
MMC	MAC move counter
MMLS	multicast multilayer switching
MOP	Maintenance Operation Protocol
MOTD	message of the day
MPID	Maintenance Point Identifier

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
MRP	Multiple Registration Protocol
MSFC	Multilayer Switch Feature Card
MSM	Multilayer Switch Module
MST	Multiple Spanning Tree
MTP	Media Termination Point
MTU	maximum transmission unit
MVAP	multiple VLAN access port
MVRP	Multiple VLAN Registration Protocol
NAM	Network Analysis Module
NAT	network address translation
NDE	NetFlow Data Export
NMP	Network Management Processor
NSAP	network service access point
NTP	Network Time Protocol
NVRAM	nonvolatile RAM
OAM	Operation, Administration, and Maintenance
ODM	order dependent merge
OID	object identifier
OSI	Open System Interconnection
OUI	organizational unique identifier
PACL	port access control list
PAE	port access entity
PAgP	Port Aggregation Protocol
PBF	policy-based forwarding
PBR	policy-based routing
PCM	pulse code modulation
PCR	peak cell rate
PDP	policy decision point
PDU	protocol data unit
PE	provider edge
PEP	policy enforcement point
PFC	Policy Feature Card
PHY	physical sublayer
PIB	policy information base
PID	product identifier
PPP	Point-to-Point Protocol

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
pps	packets per second
PRBS	Pseudo Random Binary Sequence
PRID	policy rule identifiers
PROM	programmable read-only memory
PVID	port VLAN identifier
PVST	per VLAN spanning tree
QoS	quality of service
RACL	router access control list
RADIUS	Remote Access Dial-In User Service
RAM	random-access memory
rcp	Remote Copy Protocol
RDI	Remote Defect Indication
RGMP	Router-Ports Group Management Protocol
RIF	Routing Information Field
RMON	Remote Monitoring
ROM	read-only memory
RP	route processor
RPF	reverse path forwarding
RSA	Rivest, Shamir, and Adleman (a public-key cryptographic system)
RSPAN	remote SPAN
RST	reset
RSVP	ReSerVation Protocol
SAID	Security Association Identifier
SAP	service access point
SCP	Secure Copy
SCP	Serial Communication Protocol
SIMM	single in-line memory module
SLCP	Supervisor Line-Card Processor
SLIP	Serial Line Internet Protocol
SMP	standby monitor present
SMT	station management
SN	serial number
SNAP	Subnetwork Access Protocol
SNMP	Simple Network Management Protocol
SPAN	Switched Port Analyzer
SRB	source-route bridging

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
SRT	source-route transparent bridging
SSH	Secure Shell
STE	Spanning Tree Explorer
STP	Spanning Tree Protocol
SVC	switched virtual circuit
TAC	Technical Assistance Center (Cisco)
TACACS+	Terminal Access Controller Access Control System Plus
TCAM	Ternary Content Addressable Memory
TCL	tool command language
TCP/IP	Transmission Control Protocol/Internet Protocol
TDR	Time Domain Reflectometer
TFTP	Trivial File Transfer Protocol
TGT	ticket granting ticket
TOS	type of service
TLV	type-length value
TrBRF	Token Ring Bridge Relay Function
TrCRF	Token Ring Concentrator Relay Function
TTL	time to live
UART	Universal Asynchronous Receiver/Transmitter
UDI	Unique Device Identifier
UDLD	UniDirectional Link Detection
UDLP	UniDirectional Link Protocol
UDP	User Datagram Protocol
UNI	User to Network Interface
UTC	Coordinated Universal Time
VACL	VLAN access control list
VCC	virtual channel connection (in ATM technology), virtual channel circuit
VCI	virtual circuit identifier
VCR	virtual configuration register
VID	version identifier
VID	VLAN ID
VIP	virtual IP address
VLAN	virtual LAN
VMPS	VLAN Membership Policy Server
VoIP	Voice over IP
VTP	VLAN Trunk Protocol

Table A-1 *List of Acronyms (continued)*

Acronym	Expansion
VVID	voice VLAN identifier
WRED	weighted random early detection

1. EAPoUDP and EoU both refer to Extensible Authentication Protocol over User Datagram Protocol.