



APPENDIX **A**

Acronyms and Abbreviations

Table A-1 defines the acronyms and abbreviations that are used in this publication.

Table A-1 *List of Acronyms and Abbreviations*

Acronym	Expansion
ACE	access control entry
ACE	Allegro Crypto Engine
ACL	access control list
AFLSEC	Accelerated Flow Logging Security
AP	access point
API	application programming interface
APPL	application
ASIC	application-specific integrated circuit
ATM	Asynchronous Transfer Mode
ATOM	any transport over MPLS
BGP	Border Gateway Protocol
C2W	WAN C2Wire
CAMP	Cooperative Asymmetric Multiprocessing
CAPI	card application program interface
CEF	Cisco Express Forwarding

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

Acronym	Expansion
CMOS	Complementary Metal Oxide Semiconductor
CPP	Control Plane Policing
CPU	central processing unit
CRC	cyclic redundancy check
CSG	Content Services Gateway
CWAN	Constellation WAN
CWPA	Constellation WAN port adapter
CWSLC	Constellation WAN SiByte Line Card ¹
CWTLC	Constellation WAN Toaster Line Card ¹
DBUS	data bus
DCM	Digital Clock Managers
DDR	dial-on-demand routing
DF	designated forwarder
DFC	Distributed Forwarding Card
DHCP	Dynamic Host Configuration Protocol
DIAG	diagnostic
DIP	Dual In-Line Package
dLFI	Distributed Link Fragmentation and Interleaving
dLFIoATM	Distributed Link Fragmentation and Interleaving over ATM
dLFIoFR	Distributed Link Fragmentation and Interleaving over Frame Relay
DMA	direct memory access
DOT1X	IEEE 802.1x
EAP	Extensible Authentication Protocol
EARL	Enhanced Address Recognition Logic
ECC	error checking and correction
EFC	Extended Flow Control

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

Acronym	Expansion
EM	Event Manager
EMD	Error Message Decoder
ENVM	environmental monitoring
EOBC	Ethernet out-of-band channel
EoMPLS	Ethernet over Multiprotocol Label Switching
EOU	Extensible Authentication Protocol over UDP
EPLD	Erasable Programmable Logic Device
ESF	Express Services Forwarding
FIB	Forwarding Information Base
FIFO	first-in, first-out
FM	Feature Manager
FPD	field-programmable device
FPGA	field-programmable gate array
GEMAC	Gigabit Ethernet Media Access Control
GEWAN	Gigabit Ethernet WAN
GSR	Gigabit Switch Router
HA	high availability
HSRP	Hot Standby Router Protocol
I/O	input/output
ICDM	Inter-CPU Data Mover
IDB	interface description block
IDPROM	identification programmable read-only memory
IGMP	Internet Group Management Protocol
IOS	Internet Operating System (Cisco)
IP	Internet Protocol
IPC	InterProcessor Communication
IPNAT	IP Network Address Translation

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

Acronym	Expansion
KPA	keepalive
L2	Layer 2
L3	Layer 3
L3MM	Layer 3 Mobility Manager
LAN	local-area network
LC	line card ¹
LI	Lawful Intercept
LTL	Local Target Logic
MAC	Media Access Control
MCAST	Multicast
MD5	message digest 5
MET	Multicast Expansion Table
MFIB	Multicast Forwarding Information Base
MIB	Management Information Base
MII	media-independent interface
MLD	message loading device
MLP	Multilink Point-to-Point Protocol
MLS	Multilayer Switching
MLSCEF	Multilayer Switching Cisco Express Forwarding
MLSM	multi-layer switching for multicast
MMI	Modem Management Interface
MMLS	Multicast Multilayer Switching
MN	mobile node
MPLS	Multiprotocol Label Switching
MPPE	Microsoft Point-to-Point Encryption
MRIB	Multicast Routing Information Base
MSFC	Multilayer Switch Feature Card

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

Acronym	Expansion
MTU	maximum transmission unit
NAT	Network Address Translation
NDE	NetFlow Data Export
OAL	Optimized ACL Logging
OIF	output interface
OIR	online insertion and removal
OSM	Optical Services Module
PBI	Programmable Binary Image
PCI	Peripheral Component Interconnect
PFC	Policy Feature Card
PFINIT	platform initialization
PFREDUN	platform redundancy
PIM	Protocol Independent Multicast
PIMSN	Protocol Independent Multicast Snooping
PISA	Programmable Intelligent Services Accelerator
PLIM	Physical Layer Interface Module
PM	port manager
PoS	Packet over SONET
POSLC	Packet over SONET Line Card ¹
PVLAN	private VLAN
PXF	Parallel Express Forwarding
QDR	Quad Data Rate
QinQ	IEEE 802.1Q in 802.1Q
QM	quality of service management
QoS	quality of service
RACL	router access control list
RADIUS	Remote Authentication Dial-In User Service

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

Acronym	Expansion
RF	redundancy feature
ROM	read-only memory
ROMMON	read-only memory monitor
RP	route processor
RPC	Remote Procedure Call
RPF	Reverse Path Forwarding
RPR	route processor redundancy
RTC	Real-Time Clock
SCP	Switch-Module Configuration Protocol
SIP	SPA Interface Processor
SMbus	system management bus
SMSC	short message service center
SONET	Synchronous Optical Network
SP	switch processor
SPA	Shared Port Adapter
SPAN	Switched Port Analyzer
SRP	Spatial Reuse Protocol
SSA	Super Santa Ana ASIC
SSO	Stateful Switchover
SSP	State Synchronization Protocol Manager
SSRAM	synchronous static RAM
STAPL	Standard Test and Programming Language
SVI	switched virtual interface
SW	software
TAC	Technical Assistance Center (Cisco)
TBI	Ten Bit Interface
TCAM	ternary content addressable memory

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

Acronym	Expansion
TCP	Transmission Control Protocol
TFIB	Tag Forwarding Information Base
ToS	type of service
UDP	User Datagram Protocol
URLF	URL Filtering
VACL	VLAN access control list
VC	virtual circuit
VCD	virtual circuit descriptor
VLAN	Virtual LAN
VLOU	Virtual Logic Operation Unit
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
VPNSM	Virtual Private Network Services Module
VRF	VPN routing and forwarding
VSA	vendor-specific attribute
VTMS	Versatile Traffic Management and Shaping
VTP	VLAN Trunking Protocol
VTT	voltage termination
WAN	wide-area network
WCCP	Web Cache Communication Protocol
WiSM	Wireless Service Module

1. line card = module.

