



APPENDIX **A**

Abbreviations

A

ACE	access control entry
ACL	access control list
AFI	authority and format identifier
Agport	aggregation port
AMP	Active Monitor Present
APaRT	Automated Packet Recognition and Translation
ARP	Address Resolution Protocol

B

BEM	best effort method
BGP	Border Gateway Protocol
BPDU	bridge protocol data unit
BRF	bridge relay function
BSC	Bisync
BSTUN	Block Serial Tunnel
BUS	broadcast and unknown server
BVI	bridge-group virtual interface

C

CAM	content-addressable memory
CAR	committed access rate
CCA	circuit card assembly
CDP	Cisco Discovery Protocol
CEF	Cisco Express Forwarding
CHAP	Challenge Handshake Authentication Protocol
CIR	committed information rate
CLI	command-line interface
CLNS	Connection-Less Network Service
CMNS	Connection-Mode Network Service
COPS	Common Open Policy Server
COPS-DS	Common Open Policy Server Differentiated Services
CoS	class of service
CPLD	Complex Programmable Logic Device
CRC	cyclic redundancy check
CRF	concentrator relay function
CST	Common Spanning Tree

D

DAI	Dynamic ARP Inspection
DBL	Dynamic Buffer Limiting
DCC	Data Country Code
dCEF	distributed Cisco Express Forwarding
DDR	dial-on-demand routing
DE	discard eligibility

DEC	Digital Equipment Corporation
DFI	Domain-Specific Part Format Identifier
DFP	Dynamic Feedback Protocol
DISL	Dynamic Inter-Switch Link
DLC	Data Link Control
DLSw	Data Link Switching
DMP	data movement processor
DNS	Domain Name System
DoD	Department of Defense
DOS	denial of service
DRAM	dynamic RAM
DRiP	Dual Ring Protocol
DSAP	destination service access point
DSCP	differentiated services code point
DSPU	downstream SNA Physical Units
DTP	Dynamic Trunking Protocol
DTR	data terminal ready
DVMRP	Distance Vector Multicast Routing Protocol
DXI	data exchange interface

E

EAP	Extensible Authentication Protocol
EARL	Enhanced Address Recognition Logic
EEPROM	electrically erasable programmable read-only memory
EHSA	enhanced high system availability

EIA	Electronic Industries Association
ELAN	Emulated Local Area Network
EOBC	Ethernet out-of-band channel
ESI	end-system identifier

F

FECN	forward explicit congestion notification
FM	feature manager
FRU	field replaceable unit
FSM	feasible successor metrics

G

GARP	General Attribute Registration Protocol
GMRP	GARP Multicast Registration Protocol
GVRP	GARP VLAN Registration Protocol

I

ICC	Inter-card Communication
ICD	International Code Designator
ICMP	Internet Control Message Protocol
IDB	interface descriptor block
IDP	initial domain part or Internet Datagram Protocol
IDPROM	ID Programmable Read-Only Memory
IFS	IOS File System
IGMP	Internet Group Management Protocol
IGRP	Interior Gateway Routing Protocol

ILMI	Integrated Local Management Interface
IP	Internet Protocol
IPC	interprocessor communication
IPX	Internetwork Packet Exchange
IS-IS	Intermediate System-to-Intermediate System Intradomain Routing Protocol
ISL	Inter-Switch Link
ISO	International Organization of Standardization
ISR	Integrated SONET router
ISSU	In Service Software Upgrade

L

L2	Layer 2
L3	Layer 3
L4	Layer 4
LAN	local area network
LANE	LAN Emulation
LAPB	Link Access Procedure, Balanced
LDA	Local Director Acceleration
LCP	Link Control Protocol
LEC	LAN Emulation Client
LECS	LAN Emulation Configuration Server
LEM	link error monitor
LER	link error rate
LES	LAN Emulation Server
LLC	Logical Link Control
LTL	Local Target Logic

M

MAC	Media Access Control
MCL	Mismatched Command List
MD5	Message Digest 5
MET	Multicast Expansion Table
MFIB	Multicast Forwarding Information Base
MIB	Management Information Base
MII	media-independent interface
MLS	Multilayer Switching
MLSE	maintenance loop signaling entity
MOP	Maintenance Operation Protocol
MOTD	message-of-the-day
MRM	multicast routing monitor
MRQ	Multicast Replication Queue
MSDP	Multicast Source Discovery Protocol
MST	Multiple Spanning Tree
MTU	maximum transmission unit
MVAP	multiple VLAN access port

N

NBP	Name Binding Protocol
NCIA	Native Client Interface Architecture
NDE	NetFlow Data Export
NET	network entity title
NetBIOS	Network Basic Input/Output System
NFFC	NetFlow Feature Card

NMP	Network Management Processor
NSAP	network service access point
NTP	Network Time Protocol
NVRAM	nonvolatile RAM

O

OAM	Operation, Administration, and Maintenance
OSI	Open System Interconnection
OSPF	open shortest path first

P

PAE	port access entity
PAgP	Port Aggregation Protocol
PBD	packet buffer daughterboard
PC	Personal Computer (formerly PCMCIA)
PCM	pulse code modulation
PCR	peak cell rate
PDP	policy decision point
PDU	protocol data unit
PEM	Power Entry Module
PEP	policy enforcement point
PGM	Pragmatic General Multicast
PHY	physical sublayer
PIB	policy information base
PIM	Protocol Independent Multicast
PM	Port manager

PPP	Point-to-Point Protocol
PRC	Parser Return Code
PRID	Policy Rule Identifiers
PVLAN	Private VLAN
PVST+	Per VLAN Spanning Tree+

Q

QM	QoS manager
QoS	Quality of Service

R

RACL	Router Interface Access Control List
RADIUS	Remote Access Dial-In User Service
RAM	random-access memory
RCP	Remote Copy Protocol
RGMP	Router Group Management Protocol
RIF	Routing Information Field
RMON	Rmote Network Monitor
ROM	read-only memory
RP	route processor or rendezvous point
RPC	remote procedure call
RPF	reverse path forwarding
RPR	Router Processor Redundancy
RSPAN	remote SPAN
RST	reset

RSVP ReSerVation Protocol

Rx Receive

S

SAID Security Association Identifier

SAP service access point

SCM service connection manager

SCP Switch-Module Configuration Protocol

SDLC Synchronous Data Link Control

SGBP Stack Group Bidding Protocol

SIMM single in-line memory module

SLB server load balancing

SLCP Supervisor Line-Card Processor

SLIP Serial Line Internet Protocol

SMDS Software Management and Delivery Systems

SMF software MAC filter

SMP Standby Monitor Present

SMRP Simple Multicast Routing Protocol

SMT Station Management

SNAP Subnetwork Access Protocol

SNMP Simple Network Management Protocol

SPAN Switched Port Analyzer

SRB source-route bridging

SRT source-route transparent bridging

SSTP Cisco Shared Spanning Tree

STP Spanning Tree Protocol

SVC	switched virtual circuit
SVI	switched virtual interface

T

TACACS+	Terminal Access Controller Access Control System Plus
TARP	Target Identifier Address Resolution Protocol
TCAM	Ternary Content Addressable Memory
TCL	table contention level
TCP/IP	Transmission Control Protocol/Internet Protocol
TFTP	Trivial File Transfer Protocol
TIA	Telecommunications Industry Association
TLV	type-length-value
TopN	Utility that allows the user to analyze port traffic by reports
TOS	type of service
TrBRF	Token Ring Bridge Relay Function
TrCRF	Token Ring Concentrator Relay Function
TTL	Time To Live
TVX	valid transmission
Tx	Transmit

U

UDLD	UniDirectional Link Detection Protocol
UDP	User Datagram Protocol
UNI	User-Network Interface
UTC	Coordinated Universal Time

V

VACL	VLAN access control list
VCC	virtual channel circuit
VCD	virtual circuit descriptor
VCI	virtual circuit identifier
VCR	Virtual Configuration Register
VINES	Virtual Network System
VLAN	virtual LAN
VMPS	VLAN Membership Policy Server
VTP	VLAN Trunking Protocol
VVID	voice VLAN ID

W

WFQ	weighted fair queueing
WRED	weighted random early detection
WRR	weighted round-robin

X

XNS	Xerox Network System
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