



APPENDIX **B**

Acronyms

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

Table B-1 **List of Acronyms**

| Acronym | Expansion |
|----------------|--|
| AAL | ATM adaptation layer |
| ACE | access control entry |
| ACL | access control list |
| AFI | authority and format identifier |
| Agport | aggregation port |
| ALPS | Airline Protocol Support |
| AMP | Active Monitor Present |
| APaRT | Automated Packet Recognition and Translation |
| ARP | Address Resolution Protocol |
| ATA | Analog Telephone Adaptor |
| ATM | Asynchronous Transfer Mode |
| AV | attribute value |
| BDD | binary decision diagrams |
| BECN | backward explicit congestion notification |
| 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 |
| CAM | content-addressable memory |
| CAR | committed access rate |
| CCA | circuit card assembly |
| CDP | Cisco Discovery Protocol |

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

| Acronym | Expansion |
|----------------|---|
| CEF | Cisco Express Forwarding |
| CHAP | Challenge Handshake Authentication Protocol |
| CIR | committed information rate |
| CIST | Common and internal spanning tree |
| 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 |
| CUDD | University of Colorado Decision Diagram |
| DCC | Data Country Code |
| dCEF | distributed Cisco Express Forwarding |
| DDR | dial-on-demand routing |
| DE | discard eligibility |
| DEC | Digital Equipment Corporation |
| DFC | Distributed Forwarding Card |
| 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 |
| dot1q | 802.1Q |
| DRAM | dynamic RAM |
| DRiP | Dual Ring Protocol |
| DSAP | destination service access point |
| DSCP | differentiated services code point |
| DSPU | downstream SNA Physical Units |

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

| Acronym | Expansion |
|----------------|---|
| DTP | Dynamic Trunking Protocol |
| DTR | data terminal ready |
| DXI | data exchange interface |
| 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 |
| EOF | end of file |
| ESI | end-system identifier |
| FAT | File Allocation Table |
| FECN | forward explicit congestion notification |
| FM | feature manager |
| FRU | field replaceable unit |
| fsck | file system consistency check |
| FSM | feasible successor metrics |
| GARP | General Attribute Registration Protocol |
| GMRP | GARP Multicast Registration Protocol |
| GVRP | GARP VLAN Registration Protocol |
| HSRP | Hot Standby Routing Protocol |
| 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 |
| IDS | Intrusion Detection System Module |
| 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 |

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

| Acronym | Expansion |
|----------------|---|
| IS-IS | Intermediate System-to-Intermediate System Intradomain Routing Protocol |
| ISL | Inter-Switch Link |
| ISO | International Organization of Standardization |
| ISR | Integrated SONET router |
| IST | Internal spanning tree |
| LAN | local area network |
| LANE | LAN Emulation |
| LAPB | Link Access Procedure, Balanced |
| LCP | Link Control Protocol |
| LDA | Local Director Acceleration |
| 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 |
| MAC | Media Access Control |
| MD5 | Message Digest 5 |
| MFD | multicast fast drop |
| MSFC | Multilayer Switch Feature Card |
| 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 |
| MLSE | maintenance loops signaling entity |
| MRM | multicast routing monitor |
| MSDP | Multicast Source Discovery Protocol |
| MSFC | Multilayer Switching Feature Card |
| MSM | Multilayer Switch Module |
| MST | multiple spanning tree |
| MTU | maximum transmission unit |
| MVAP | multiple VLAN access port |

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

| Acronym | Expansion |
|----------------|--|
| NAM | Network Analysis Module |
| 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 |
| NSF | Nonstop Forwarding |
| NTP | Network Time Protocol |
| NVRAM | nonvolatile RAM |
| OAM | Operation, Administration, and Maintenance |
| ODM | order dependent merge |
| OSI | Open System Interconnection |
| OSM | Optical Services Module |
| OSPF | open shortest path first |
| 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 |
| PEP | policy enforcement point |
| PFC | Policy Feature Card |
| PGM | Pragmatic General Multicast |
| PHY | physical sublayer |
| PIB | policy information base |
| PIM | protocol independent multicast |
| PPP | Point-to-Point Protocol |
| PRID | Policy Rule Identifiers |
| PVST+ | Per VLAN Spanning Tree+ |
| QDM | QoS device manager |
| QM | QoS manager |

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

| Acronym | Expansion |
|----------------|--|
| QoS | quality of service |
| RACL | router interface access control list |
| RADIUS | Remote Access Dial-In User Service |
| RAM | random-access memory |
| RCP | Remote Copy Protocol |
| RGMP | Router-Ports Group Management Protocol |
| RIB | routing information base |
| RIF | Routing Information Field |
| RMON | remote network monitor |
| ROM | read-only memory |
| ROMMON | ROM monitor |
| RP | route processor or rendezvous point |
| RPC | remote procedure call |
| RPF | reverse path forwarding |
| RPR | route processor redundancy |
| RPR+ | route processor redundancy plus |
| RSPAN | remote SPAN |
| RST | reset |
| RSVP | ReSerVation Protocol |
| 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 |

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

| Acronym | Expansion |
|----------------|---|
| SRM | single router mode |
| SSO | stateful switchover |
| SPAN | Switched Port Analyzer |
| SREC | S-Record format, Motorola defined format for ROM contents |
| SSTP | Cisco Shared Spanning Tree |
| STP | Spanning Tree Protocol |
| SVC | switched virtual circuit |
| SVI | switched virtual interface |
| 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 |
| TopN | Utility that allows the user to analyze port traffic by reports |
| TOS | type of service |
| TLV | type-length-value |
| TTL | Time To Live |
| TVX | valid transmission |
| UDLD | UniDirectional Link Detection Protocol |
| UDP | User Datagram Protocol |
| UNI | User-Network Interface |
| UTC | Coordinated Universal Time |
| VACL | VLAN access control list |
| VCC | virtual channel circuit |
| VCI | virtual circuit identifier |
| VCR | Virtual Configuration Register |
| VINES | Virtual Network System |
| VLAN | virtual LAN |
| VMPS | VLAN Membership Policy Server |
| VPN | virtual private network |
| VRF | VPN routing and forwarding |
| VTP | VLAN Trunking Protocol |
| VVID | voice VLAN ID |
| WAN | wide area network |

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

| Acronym | Expansion |
|----------------|-----------------------------------|
| WCCP | Web Cache Communications Protocol |
| WFQ | weighted fair queueing |
| WRED | weighted random early detection |
| WRR | weighted round-robin |
| XNS | Xerox Network System |