



Acronyms

The acronyms in this appendix apply to the Catalyst 8540 MSR, Catalyst 8510 MSR, and LightStream 1010 ATM switch routers. Table A-1 lists the acronyms used in this publication, along with their definitions.

Table A-1 List of Acronyms

Acronym	Definition
AAA	authentication, authorization, and accounting
AAL	ATM adaptation layer
ABR	available bit rate
ACK	acknowledgment
ACO	audible cutoff
ACR	allowed cell rate
ADM	Add Drop Multiplexer
AESA	ATM End System Address
AESO	Auxiliary Extended Security Option
AFI	authority and format identifier
AGG	aggregate
AIS	alarm indication signal
AMI	alternate mark inversion
ANSI	American National Standards Institute
API	Application Programming Interface
APS	Automatic Protection Switching
ARAP	AppleTalk Remote Access Protocol
ARP	Address Resolution Protocol
ARPA	Advanced Research Projects Agency
ATD IE	ATM Traffic Descriptor Information Element
ATM	Asynchronous Transfer Mode
ATM-P	ATM Pseudo interface
B8ZS	binary 8-zero substitution
Bc	Committed Burst
BECN	backward explicit congestion notification
BER	bit error rate
BIP	bit interleaved parity

Table A-1 List of Acronyms (continued)

Acronym	Definition
BISDN	Broadband Integrated Services Digital Network
BITS	building integrated timing supply
BOOTP	Bootstrap Protocol
CAC	connection admission control
CAS	channel associated signalling
CBR	constant bit rate
CD	Carrier Detect
CDP	Cisco Discovery Protocol
CDS3	channelized digital signal level 3
CDV	cell delay variation
CDVT	cell delay variation tolerance
CE1	channelized E1
CES	circuit emulation service
CES-IWF	CES interworking function
CHAP	Challenge Handshake Authentication Protocol
CIR	committed information rate
CLNS	Connectionless Network Service
CLP	cell loss priority
CLR	cell loss ratio
CPU	Central Processing Unit
CRC	cyclic redundancy check
CTC	common transmit clocking
CTD	cell transfer delay
CTT	Connection Traffic Table
CUG	closed user group
DCA	Defense Communications Agency
DCC	Data Country Code
DCE	data communications equipment
DE	discard eligible
DFI	Domain Specific Part Format Identifier
DLCI	data-link connection identifier
DNIS	Distributed Network Information Services
DNS	Domain Name System
DTL	designated transit list
EFCI	Explicit Forward Congestion Indication
EPD	early packet discard
ESI	end system identifier or end-station identifier
ESO	Extended Security Option
FC-PCQ	feature card per-connection queueing (Catalyst 8510 MSR and LightStream 1010)
FC-PFQ	feature card per-flow queueing (Catalyst 8510 MSR and LightStream 1010)
FDL	facility data link
FEBE	far-end block errors
FECN	forward explicit congestion notification
FPGA	field-programmable gate array

Table A-1 List of Acronyms (continued)

Acronym	Definition
FRC	frame redundancy check
GCRA	generic cell rate algorithm
HDB3	line code type used on E1 circuits
ICD	International Code Designator
ICMP	Internet Control Message Protocol
ICP	IMA Control Protocol
IE	information element
IEEE	Institute of Electrical and Electronics Engineers
IETF	Internet Engineering Task Force
IGRP	Interior Gateway Routing Protocol
IISP	Interim-Interswitch Signalling Protocol
ILMI	Interim Local Management Interface (UNI 3.1) <i>or</i> Integrated Local Management Interface (UNI 4.0)
IMA	inverse multiplexing over ATM
IME	interface management entity
IP	Internet Protocol
IPSO	IP Security Option
ITC	independent transmit clocking
ITU-T	International Telecommunications Union Telecommunication Standardization Sector
LANE	LAN Emulation
LEC	LAN Emulation Client
LECS	LAN Emulation Configuration Server
LGN	logical group node
LLC2	Logical Link Control, type 2
LMI	Local Management Interface
MAC	Media Access Control
MBS	maximum burst size
MCR	minimum cell rate
MDL	maintenance data link
MIB	Management Information Base
MMF	multimode fiber
MOP	Maintenance Operation Protocol
MSC	modular switch controller
MSR	multiservice ATM switch router
MTU	maximum transmission unit
mux	multiplexing device
NCDP	Network Clock Distribution Protocol
NCP	Network Control Protocol or Network Control Program
NLESO	Network Level Extended Security Option
NNI	Network-to-Network Interface
NSAP	network service access point
NTP	Network Time Protocol
NVRAM	nonvolatile random-access memory
OAM	Operation, Administration, and Maintenance
OIR	online insertion and removal

Table A-1 List of Acronyms (continued)

Acronym	Definition
OSF	oversubscription factor
PCI	protocol control information
PCR	peak cell rate
PDU	protocol data unit
PGL	peer group leader
PIE	protocol information element
PIF	port interface
ping	packet internet groper
PLCP	physical layer convergence procedure
PLD	programmable logic device
PNNI	Private Network-Network Interface or Private Network Node Interface
POS	packet over SONET
PPP	Point-to-Point Protocol
PRI	Primary Rate Interface
PSTN DDR	Public Switched Telephone Network dial-on-demand routing
PTSE	PNNI topology state element
PTSP	PNNI topology state packet
PVC	permanent virtual circuit
PVCC	permanent virtual channel connection
PVCL	permanent virtual channel link
PVP	permanent virtual path
PVPC	permanent virtual path connection
PVPL	permanent virtual path link
QOS	quality of service
QSAAL	Q.2931 protocol over signalling ATM adaptation layer
RARP	Reverse Address Resolution Protocol
RCC	routing control channels
rcp	remote copy protocol
RDI	remote defect indication
RIF	Routing Information Field
RM	resource management
RMON	Remote Monitoring
ROM	read-only memory
rsh	remote shell protocol
RST	reset
RSVP	Resource Reservation Protocol
SAP	service access point
SCR	sustainable cell rate
SCRMF	Sustained Cell Rate Margin Factor
SD	sequential data
SDU	service data unit
SGCP	Simple Gateway Control Protocol
SLIP	Serial Line Internet Protocol
SNAP	Subnetwork Access Protocol

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

Acronym	Definition
SNMP	Simple Network Management Protocol
SONET	Synchronous Optical Network
SPE	synchronous payload envelope
SPVC	soft permanent virtual circuit
SPVP	soft permanent virtual path
SSCOP	Service Specific Connection Oriented Protocol
SSE	silicon switching engine
SSRP	Simple Server Redundancy Protocol
SVC	switched virtual circuit
SVCC	switched virtual circuit connection
SVP	switched virtual path
SVPC	switched virtual path connection
TACACS	Terminal Access Controller Access Control System
TBR	tag bit rate
TC	tag-controlled
TCA	threshold crossing alarm
TCP	Transmission Control Protocol
TDP	Tag Distribution Protocol
TFIB	Tag Forwarding Information Base
TFTP	Trivial File Transfer Protocol
ToS	type of service
TSP	tag-switched path <i>or</i> topology state packet
TTL	Time To Live
TVC	tag VC
UART	Universal Asynchronous Receiver/Transmitter
UBR	unspecified bit rate
UDP	User Datagram Protocol
UNI	User-Network Interface
UPC	usage parameter control
UTC	Coordinated Universal Time
VBR	variable bit rate
VBR-NRT	variable bit rate non-real time
VBR-RT	variable bit rate-real time
VC	virtual channel
VCC	virtual channel connection
VCD	virtual circuit descriptor
VCI	virtual channel identifier
VCL	virtual channel link
VLAN	virtual LAN
VP	virtual path
VPC	virtual path connection
VPI	virtual path identifier
VPL	virtual path link

Table A-1 List of Acronyms (continued)

Acronym	Definition
WDM	wave division multiplexing
WRR	weighted round-robin

