

# Acronyms

AAL	application adaptation layer	BER	Basic Encoding Rules
ABM	asynchronous balanced mode	BOP	Border Gateway Protocol
ACK	acknowledgment	BNC	Bayone-Neill-Concelman
ACL	asynchronous connectionless link	BOOTP	Bootstrap Protocol
AOSL	asymmetric digital subscriber line	BSS	basic service set
AES	Advanced Encryption Standard	BUS	broadcast/unknown server
AH	Authentication Header	CA	Certification Authority
AM	amplitude modulation	CATV	community antenna TV
AMI	alternate mark inversion	CBC	cipher block chaining mode
AMPS	Advanced Mobile Phone System	CBR	constant bit rate
ANSI	American National Standards Institute	CBT	Core-Based Tree
AP	access point	CCITT	Consultative Committee for International Telegraphy and Telephony
ARP	Address Resolution Protocol	CCK	complementary code keying
ARPA	Advanced Research Projects Agency	COMA	code division multiple access
ARPANET	Advanced Research Projects Agency Network	CFB	cipher feedback mode
ARQ	automatic repeat request	COI	Common Gateway Interface
AS	authentication server	CHAP	Challenge Handshake Authentication Protocol
AS	autonomous system	CrOR	Classless InterDomain Routing
ASCII	American Standard Code for Information Interchange	CrR	committed information rate
ASK	amplitude shift keying	CLEC	competitive local exchange carrier
ASN.1	Abstract Syntax Notation 1	CMTS	cable modem transmission system
ATM	Asynchronous Transfer Mode	CRC	cyclic redundancy check
AUr	attachment unit interface	CS	convergence sublayer
B8ZS	bipolar with 8-zero substitution	CSM	cipher stream mode
Be	committed burst size	CSMA	carrier sense multiple access
Be	excess burst size	CSMA/CA	carrier sense mUltiple access with collision avoidance
BECN	backward explicit congestion notification		

CSMA/CD	carrier sense multiple access with collision detection	FSK	frequency shift keying
D-AMPS	digital AMPS	FTP	File Transfer Protocol
DARPA	Defense Advanced Research Projects Agency	GPS	Global Positioning System
dB	decibel	GSM	Global System for Mobile Communication
DC	direct current	HDLC	High-level Data Link Control
DCF	distributed coordination function	HDSL	high bit rate digital subscriber line
OCT	discrete cosine transform	HFC	hybrid-fiber-coaxial network
DONS	Dynamic Domain Name System	HMAC	hashed-message authentication code
DDS	digital data service	HR-DSSS	High Rate Direct Sequence Spread Spectrum
DE	discard eligibility	HTML	HyperText Markup Language
DEMUX	demultiplexer	HTTP	HyperText Transfer Protocol
DES	data encryption standard	Hz	hertz
DHCP	Dynamic Host Configuration Protocol	IAB	Internet Architecture Board
DIFS	distributed interframe space	IANA	Internet Assigned Numbers Authority
DLCI	data link connection identifier	ICANN	Internet Corporation for Assigned Names and Numbers
DMT	discrete multitone technique	ICMP	Internet Control Message Protocol
DNS	Domain Name System	ICMPv6	Internet Control Message Protocol, version 6
DOCSIS	Data Over Cable System Interface Specifications	IEEE	Institute of Electrical and Electronics Engineers
DS	digital signal	IESG	Internet Engineering Steering Group
OS	Differentiated Services	IETF	Internet Engineering Task Force
DSL	digital subscriber line	IFS	interframe space
DSLAM	digital subscriber line access multiplexer	IGMP	Internet Group Management Protocol
DSSS	direct sequence spread spectrum	IKE	Internet Key Exchange
DVMRP	Distance Vector Multicast Routing Protocol	ILEC	incumbent local exchange carrier
DWDM	dense wave-division multiplexing	IMAP4	Internet Mail Access Protocol, version 4
EIA	Electronics Industries Association	INTERNIC	Internet Network Information Center
ESP	Encapsulating Security Payload	IntServ	Integrated Services
ESS	Extended Service Set	IP	Internet Protocol
FCC	Federal Communications Commission	IPCP	Internetwork Protocol Control Protocol
FDM	frequency-division multiplexing	IPng	Internet Protocol next generation
FDMA	frequency division multiple access	IPSec	IP Security
FDMA	frequency-division multiple access	IPv4	Internet Protocol version 4
FECN	forward explicit congestion notification	IPv6	Internet Protocol, version 6
FHSS	frequency hopping spread spectrum	IRTF	Internet Research Task Force
FIFO	first-in, first-out	IS-95	Interim Standard 95
FM	frequency modulation	ISAKMP	Internet Security Association and Key Management Protocol
FQDN	fully qualified domain name	ISO	International Organization of Standardization
FRAD	Frame Relay assembler/disassembler		

ISOC	Internet Society	MTU	maximum transfer unit
ISP	Internet service provider	MUX	multiplexer
ISUP	ISDN user port	NAP	network access point
ITM-2000	Internet Mobile Communication	NAT	network address translation
ITU-T	International Telecommunications Union-Telecommunication Standardization Sector	NAV	network allocation vector
IXC	interexchange carrier	NCP	Network Control Protocol
IPEG	Joint Photographic Experts Group	NIC	network interface card
KOC	key distribution center	NNI	network-to-network interface
L2CAP	Logical Link Control and Adaptation Protocol	NRM	nonnal response mode
LAN	local area network	NRZ	nonreturn to zero
LANE	LAN emulation	NRZ-I	nonreturn to zero, invert
LANE	local area network emulation	NRZ-L	nonreturn to zero, level
LATA	local access and transport area	NVT	Network Virtual Tenninal
LCP	Link Control Protocol	OC	optical carrier
LEC	LAN emulation client	OFB	output feedback
LEC	local exchange carrier	OFOM	orthogonal frequency division multiplexing
LEO	low earth orbit	OSI	Open Systems Interconnection
LES	LAN emulation server	OSPF	open shortest path first
LLC	logical link control	PAM	pulse amplitude modulation
LMI	local management infonnation	PAP	Password Authentication Protocol
LSA	link state advertisement	PCF	point coordination function
LSP	link state packet	PCM	pulse code modulation
MA	multiple access	PCS	personal communication system
MAA	message access agent	PGP	Pretty Good Privacy
MAC	medium access control sublayer	PHB	per hop behavior
MAC	message authentication code	PIM	Protocol Independent Multicast
MAN	metropolitan area network	PIM-OM	Protocol Independent Multicast, Dense Mode
MBONE	multicast backbone	PIM-SM	Protocol Independent Multicast, Sparse Mode
MOC	modification detection mode	PKI	public key infrastructure
MEO	medium Earth orbit	PM	phase modulation
MIB	Management Infonnation Base	PN	pseudorandom noise
MII	medium independent interface	POP	point of presence
MIME	Multipurpose Internet Mail Extension	POP3	Post Office Protocol, version 3
MLT-3	multiline transmission, 3-level	POTS	plain old telephone system
MOSPF	Multicast Open Shortest Path First	PPP	Point-to-Point Protocol
MPEG	motion picture experts group	PQON	partially qualified domain name
MSC	mobile switching center	PSK	phase shift keying
MTA	mail transfer agent	PVC	permanent virtual circuit
MTA	message transfer agent	QAM	quadrature amplitude modulation
MTSO	mobile telephone switching office	QoS	quality of service

RADSL	rate adaptive asymmetrical digital subscriber line	STM	synchronous transport module
RARP	Reverse Address Resolution Protocol	STP	shielded twisted-pair
RFC	Request for Comment	STP	signal transport port
RIP	Routing Information Protocol	STS	synchronous transport signal
ROM	read-only memory	SVC	switched virtual circuit
RPB	reverse path broadcasting	TCAP	transaction capabilities application port
RPF	reverse path forwarding	TCP	Transmission Control Protocol
RPM	reverse path multicasting	TCP/IP	Transmission Control Protocol! Internetworking Protocol
RSA	Rivest, Shamir, Adleman	TDD-TDMA	time division duplexing TDMA
RSVP	Resource Reservation Protocol	TDM	time-division multiplexing
RTCP	Real-time Transport Control Protocol	TDMA	time division multiple access
RTP	Real-time Transport Protocol	TELNET	Terminal Network
RTSP	Real-Time Streaming Protocol	TFTP	Trivial File Transfer Protocol
RTT	round-trip time	TGS	ticket-granting server
RZ	return to zero	TLS	Transport Layer Security
SA	Security Association	TOS	type of service
SADB	security association database	TSI	time-slot interchange
SAR	segmentation and reassembly	TTL	time to live
SCCP	signaling connection control point	TUP	telephone user port
seo	synchronous connection oriented	UA	user agent
SCP	server control point	UBR	unspecified bit rate
SCTP	Stream Control Transmission Protocol	UDP	User Datagram Protocol
SDH	Synchronous Digital Hierarchy	UNI	user network interface
SDSL	symmetric digital subscriber line	UNI	user-to-network interface
SEAL	simple and efficient adaptation layer	URL	Uniform Resource Locator
SHA-1	Secure Hash Algorithm 1	UTP	unshielded twisted-pair
SIFS	short interframe space	VBR	variable bit rate
SIP	Session Initiation Protocol	ve	virtual circuit
SMI	Structure of Management Information	VDSL	very high bit rate digital subscriber line
SMTP	Simple Mail Transfer Protocol	VLAN	virtual local area network
SNMP	Simple Network Management Protocol	VOFR	Voice Over Frame Relay
SNR	signal-to-noise ratio	VPN	virtual private network
SONET	Synchronous Optical Network	VT	virtual tributary
SP	signal point	WAN	wide area network
SPE	synchronous payload envelope	WATS	wide area telephone service
SPI	security parameter index	WDM	wave-division multiplexing
SS7	Signaling System Seven	WWW	World Wide Web
SSL	Secure Socket Layer		