

ACRONYMS

2B1Q	two-binary, one-quaternary	BER	Basic Encoding Rules
4B/5B	four binary, five binary	BGP	Border Gateway Protocol
4D-PAM5	4-dimensional, 5-level pulse amplitude modulation	BNC	Bayone-Neill-Concelman
8B/10B	eight binary, ten binary	BOOTP	Bootstrap Protocol
8B6T	eight binary, six ternary	BRI	basic rate interface
AAL	(ATM) application adaptation layer	BSS	basic service set
AAS	adaptive antenna system	CA	Certification Authority
ABM	asynchronous balanced mode	CATV	community antenna TV
ABR	available bit rate	CBC	cipher-block chaining
ACK	acknowledgment	CBR	constant bit rate
ACL	asynchronous connectionless link	CBT	Core-Based Tree
ADM	adaptive DM	CCITT	Consultative Committee for International Telegraphy and Telephony
ADPCM	adaptive DPCM	CCK	complementary code keying
ADSL	asymmetric digital subscriber line	CDMA	code division multiple access
AES	Advanced Encryption Standard	CDPD	cellular digital packet data
AH	authentication header	CDV	cell delay variation
AIMD	additive increase, multiplicative decrease	CEPT	Comité Européen de Post et Telegraphie
AM	amplitude modulation	CGI	common gateway interface
AMI	alternate mark inversion	CHAP	Challenge Handshake Authentication Protocol
AMPS	Advanced Mobile Phone System	CIDR	Classless Interdomain Routing
ANSI	American National Standards Institute	CIR	committed information rate
ANSNET	Advanced Networks and Services Network	CLP	cell loss priority
AP	access point	CLR	cell loss ratio
API	application programming interface	CMS	Cryptographic Message Syntax
APS	automatic protection switching	CMTS	cable modem transmission system
ARP	Address Resolution Protocol	CPE	customer premises equipment
ARPA	Advanced Research Projects Agency	CRC	cyclic redundancy check
ARPANET	Advanced Research Projects Agency Network	CS	convergence sublayer
ARQ	automatic repeat request	CSM	cipher stream mode
AS	authentication server	CSMA	carrier sense multiple access
AS	autonomous system	CSMA/CA	carrier sense multiple access with collision avoidance
ASCII	American Standard Code for Information Interchange	CSMA/CD	carrier sense multiple access with collision detection
ASK	amplitude shift keying	CSNET	Computer Science Network
ASN.1	Abstract Syntax Notation One	CSRC	contributing source
ATM	Asynchronous Transfer Mode	CSS	Cascading Style Sheets
AUI	attachment unit interface	CTS	clear to send
B-frame	bidirectional frame	D-AMPS	digital AMPS
B8ZS	bipolar with 8-zero substitution	DARPA	Defense Advanced Research Projects Agency
BASK	binary amplitude shift keying	dB	decibel
Bc	committed burst size	DC	direct current
BECN	backward explicit congestion notification	DCF	distributed coordination function
		DCT	discrete cosine transform
		DDNS	Dynamic Domain Name System

DDS	digital data service	HDLC	High-level Data Link Control
DE	discard eligibility	HDSL	high bit rate digital subscriber line
DEMUX	demultiplexer	HEC	header error check
DES	Data Encryption Standard	HFC	hybrid-fiber-coaxial
DHCP	Dynamic Host Configuration Protocol	HMAC	hashed MAC (hashed message authentication code)
DHT	distributed hash table	HR-DSSS	high-rate direct-sequence spread spectrum
DiffServ	Differentiated Services	HTML	HyperText Markup Language
DIFS	distributed interframe space	HTTP	HyperText Transfer Protocol
DISC	disconnect	Hz	hertz
DMT	discrete multitone technique	I-frame	inter-coded frame
DNS	Domain Name System	IAB	Internet Architecture Board
DOCSIS	Data Over Cable System Interface Specification	IANA	Internet Assigned Numbers Authority
DPCM	differential PCM	iBGP	internal BGP
DS-n	digital signal-n	ICANN	Internet Corporation for Assigned Names and Numbers
DSL	digital subscriber line	ICMP	Internet Control Message Protocol
DSLAM	digital subscriber line access multiplexer	IEEE	Institute of Electrical and Electronics Engineers
DSS	Digital Signature Standard	IESG	Internet Engineering Steering Group
DSSS	direct sequence spread spectrum	IETF	Internet Engineering Task Force
DTE	data terminal equipment	IFDMA	interleaved FDMA
DVMRP	Distance Vector Multicast Routing Protocol	IFS	interframe space
DWDM	dense wave-division multiplexing	IGMP	Internet Group Management Protocol
EBCDIC	extended binary coded decimal interchange code	IGP	Interior Gateway Protocol
eBGP	external BGP	IKE	Internet Key Exchange
ECB	electronic codebook	ILEC	incumbent local exchange carrier
EGP	Exterior Gateway Protocol	IMAP	Internet Mail Access Protocol
EIA	Electronic Industries Alliance	INTERNIC	Internet Network Information Center
ENQ	enquiry frame	IntServ	Integrated Services
ESP	Encapsulating Security Payload	IP	Internet Protocol
ESS	extended service set	IPCP	Internetwork Protocol Control Protocol
FA	foreign agent	IPng	Internet Protocol, next generation
FCC	Federal Communications Commission	IPSec	IP Security
FCS	frame check sequence	IPv4	Internet Protocol, version 4
FDD	frequency division duplex	IPv6	Internet Protocol, version 6
FDDI	Fiber Distributed Data Interface	IRTF	Internet Research Task Force
FDM	frequency division multiplexing	IS-95	Interim Standard 95
FDMA	frequency division multiple access	ISAKMP	Internet Security Association and Key Management Protocol
FEC	forward error correction	ISDN	Integrated Services Digital Network
FHSS	frequency-hopping spread spectrum	ISN	initial sequence number
FIFO	first-in, first-out	ISO	International Organization for Standardization
FM	frequency modulation	ISOC	Internet Society
FRMR	frame reject	ISP	Internet service provider
FQDN	fully qualified domain name	ITM-2000	Internet Mobile Communication 2000
FSK	frequency shift keying	ITU	International Telecommunications Union
FTP	File Transfer Protocol	ITU-T	ITU, Telecommunication Standardization Sector
GEO	geostationary Earth orbit	IV	initial vector
GIF	graphical interchange format		
GPS	Global Positioning System		
GSM	Global System for Mobile Communication		
HA	home agent		

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JPEG	Joint Photographic Experts Group	NRM	normal response mode
KDC	key-distribution center	NRZ	nonreturn-to-zero
L2CAP	Logical Link Control and Adaptation Protocol	NRZ-I	nonreturn-to-zero, invert
LAN	local area network	NRZ-L	nonreturn-to-zero, level
LAP	line access procedure	NSA	National Security Agency
LCP	Link Control Protocol	NSF	National Science Foundation
LEO	low-Earth-orbit	NSFNET	National Science Foundation Network
LIS	logical IP subnet	NVT	network virtual terminal
LLC	logical link control	OADM	optical add-drop multiplexer
LMI	local management information	OC	optical carrier
LMP	Link Management Protocol	OFB	output feedback
LPC	linear predictive coding	OFDM	orthogonal-frequency-division-multiplexing
LSA	link-state advertisement	OOK	on-off keying
LSP	link-state packet	OSI	Open Systems Interconnection
MA	multiple access	OSPF	Open Shortest Path First
MAA	message access agent	P/F	poll/final
MAC	media access control	P2P	peer-to-peer
MAC	message authentication code	PAM	pulse amplitude modulation
MAN	metropolitan area network	PAP	Password Authentication Protocol
MBONE	multicast backbone	PC	predictive coding
MBS	maximum burst size	PCF	point coordination function
MC-CDMA	multi-carrier CDMA	PCM	pulse code modulation
MD	Message Digest	PCS	personal communication system
MDC	modification detection code	PDU	protocol data unit
MEO	medium-Earth-orbit	PGP	Pretty Good Privacy
MH	mobile host	PHB	per-hop behavior
MIB	Management Information Base	PIM	Protocol Independent Multicast
MID	message identifier	PIM-DM	Protocol Independent Multicast-Dense Mode
MII	medium independent interface	PIM-SM	Protocol Independent Multicast-Sparse Mode
MILNET	Military Network	PING	Packet Internet Groper
MIME	Multipurpose Internet Mail Extensions	PKI	public key infrastructure
MIMO	multiple-input, multiple-output antenna	PM	phase modulation
MLT-3	multiline transmission, 3-level	PN	pseudorandom noise
modem	modulator-demodulator	PNNI	private network-to-network interface
MOSPF	Multicast Open Shortest Path First	POP	point of presence
MP3	MPEG audio layer 3	POP3	Post Office Protocol, version 3
MPEG	Motion Picture Experts Group	POS	packet over SONET
MPLS	multi-protocol label switching	POTS	plain old telephone system
MSC	mobile switching center	PPM	pulse position modulation
MSS	maximum segment size	PPP	Point-to-Point Protocol
MTA	mail transfer agent	PQDN	partially qualified domain name
MTSO	mobile telephone switching office	PSK	phase shift keying
MTU	maximum transfer unit	PSTN	Public Switched Telephone Network
MUX	multiplexer	PVC	permanent virtual circuit
NAK	negative acknowledgment	QAM	quadrature amplitude modulation
NAP	network access point	QoS	quality of service
NAT	Network Address Translation	RACE	Research in Advance Communication for Europe
NAV	network allocation vector	RADSL	rate adaptive asymmetrical digital subscriber line
NCP	Network Control Protocol	RARP	Reverse Address Resolution Protocol
NIC	Network Information Center	REJ	reject
NIC	network interface card		
NIST	National Institute of Standards and Technology		
NNI	network-to-network interface		

RFC	Request for Comment	SSH	Secure Shell
RIP	Routing Information Protocol	SSL	Secure Sockets Layer
rlogin	remote logging	SSN	stream sequence number
RNR	Receive Not Ready	SSRC	synchronization source
ROM	read-only memory	STM	synchronous transport module
RP	rendezvous point	STP	shielded twisted-pair
RPB	reverse path broadcasting	STS	synchronous transport signal
RPF	reverse path forwarding	SVC	switched virtual circuit
RPM	reverse path multicasting	TCAP	transaction capabilities application port
RSA	Rivest, Shamir, Adleman	TCB	transmission control block
RSVP	Resource Reservation Protocol	TCP	Transmission Control Protocol
RTCP	Real-time Transport Control Protocol	TCP/IP	Transmission Control Protocol/ Internet Protocol
RTO	retransmission time-out	TDD	time-division duplex
RTP	Real-time Transport Protocol	TDM	time-division multiplexing
RTS	request to send	TDMA	time-division multiple access
RTSP	Real-Time Streaming Protocol	TELNET	Terminal Network
RTT	round-trip time	TFTP	Trivial File Transfer Protocol
RZ	return-to-zero	TLI	transport-layer interface
S/MIME	Secure/Multipurpose Internet Mail Extensions	TLS	Transport Layer Security
SA	Security Association	TOS	type of service
SAD	Security Association Database	TP	transmission path
SAR	segmentation and reassembly	TRPB	truncated reverse-path broadcasting
SCCP	signaling connection control part	TSI	time-slot interchange
SCO	synchronous connection-oriented	TSN	transmission sequence number
SCP	server control point	TTL	time to live
SCTP	Stream Control Transmission Protocol	TUP	telephone user port
SDH	Synchronous Digital Hierarchy	UA	user agent
SDR	Software Defined Radio	UBR	unspecified bit rate
SDSL	symmetric digital subscriber line	UDP	User Datagram Protocol
SDU	service data unit	UMTS	Universal Mobile Telecommunication System
SEAL	simple and efficient adaptation layer	UNI	user-to-network interface
SFD	start frame delimiter	URL	uniform resource locator
SHA	Secure Hash Algorithm	UTP	unshielded twisted-pair
SIFS	short IFS (interframe space)	VBR	variable bit rate
SIP	Session Initiation Protocol	VC	virtual circuit
SKEME	Secure Key Exchange Mechanism	VCC	virtual circuit connection
SMI	Structure of Management Information	VCI	virtual circuit identifier
SMTP	Simple Mail Transfer Protocol	VDSL	very high bit rate digital subscriber line
SNMP	Simple Network Management Protocol	VLAN	virtual local area network
SNR	signal-to-noise ratio	VoIP	voice over IP
SOFDMA	Scalable OFDMA	VP	virtual path
SONET	Synchronous Optical Network	VPI	virtual path identifier
SP	Security Policy	VPN	virtual private network
SP	Simple Protocol	VT	virtual tributary
SPD	Security Policy Database	WAN	wide area network
SPE	synchronous payload envelope	WDM	wavelength-division multiplexing
SPI	security parameter index	WiMAX	Worldwide Interoperability for Microwave Access
SR	selective-repeat	WWW	World Wide Web
SREJ	selective reject	XHTML	Extensible HyperText Markup Language
SS	spread spectrum	XML	Extensible Markup Language
SS7	Signaling System Seven	XSL	Extensible Style Language
SSCS	service specific convergence sublayer		