ACRONYMS

2B1Q	two-binary, one-quaternary
4B/5B	four binary, five binary
4D-PAM5	4-dimensional, 5-level pulse amplitude modulation
8B/10B	eight binary, ten binary
8B6T	eight binary, six ternary
AAL	(ATM) application adaptation layer
AAS	adaptive antenna system
ABM	asynchronous balanced mode
ABR	available bit rate
ACK	acknowledgment
ACL	asynchronous connectionless link
ADM	adaptive DM
ADPCM	adaptive DPCM
ADSL	asymmetric digital subscriber line
AES	Advanced Encryption Standard
AH	authentication header
AIMD	additive increase, multiplicative decrease
AM	amplitude modulation
AMI	alternate mark inversion
AMPS	Advanced Mobile Phone System
ANSI	American National Standards Institute
ANSNET	Advanced Networks and Services Network
AP	access point
API	application programming interface
APS	automatic protection switching
ARP	Address Resolution Protocol
ARPA	Advanced Research Projects Agency
ARPANET	Advanced Research Projects Agency Network
ARQ	automatic repeat request
AS	authentication server
AS	autonomous system
ASCII	American Standard Code for Information Interchange
ASK	amplitude shift keying
ASN.1	Abstract Syntax Notation One
ATM	Asynchronous Transfer Mode
AUI	attachment unit interface
B-frame	bidirectional frame
B8ZS	bipolar with 8-zero substitution
BASK	binary amplitude shift keying
Bc	committed burst size
BECN	backward explicit congestion notification
BER	Basic Encoding Rules
BGP	Border Gateway Protocol
BNC	Bayone-Neill-Concelman
BOOTP	Bootstrap Protocol
BRI	basic rate interface
BSS	basic service set
CA	Certification Authority
CATV	community antenna TV
CBC	cipher-block chaining
CBR	constant bit rate
CBT	Core-Based Tree
CCITT	Consultative Committee for International Telegraphy and Telephony
CCK	complementary code keying
CDMA	code division multiple access
CDPD	cellular digital packet data
CDV	cell delay variation
CEPT	Comité Européen de Post et Telegraphie
CGI	common gateway interface
CHAP	Challenge Handshake Authentication Protocol
CIDR	Classless Interdomain Routing
CIR	committed information rate
CLP	cell loss priority
CLR	cell loss ratio
CMS	Cryptographic Message Syntax
CMTS	cable modem transmission system
CPE	customer premises equipment
CRC	cyclic redundancy check
CS	convergence sublayer
CSM	cipher stream mode
CSMA	carrier sense multiple access
CSMA/CA	carrier sense multiple access with collision avoidance
CSMA/CD	carrier sense multiple access with collision detection
CSNET	Computer Science Network
CSRC	contributing source
CSS	Cascading Style Sheets
CTS	clear to send
D-AMPS	digital AMPS
DARPA	Defense Advanced Research Projects Agency
dB	decibel
DC	direct current
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			
DIFS	distributed interframe space		**HTML**	HyperText Markup Language
DISC	disconnect		**HTTP**	HyperText Transfer Protocol
DMT	discrete multitone technique		**Hz**	hertz
DNS	Domain Name System		**I-frame**	inter-coded frame
DOCSIS	Data Over Cable System Interface Specification		**IAB**	Internet Architecture Board
			IANA	Internet Assigned Numbers Authority
DPCM	differential PCM			
DS-*n*	digital signal-*n*		**iBGP**	internal BGP
DSL	digital subscriber line		**ICANN**	Internet Corporation for Assigned Names and Numbers
DSLAM	digital subscriber line access multiplexer			
			ICMP	Internet Control Message Protocol
DSS	Digital Signature Standard		**IEEE**	Institute of Electrical and Electronics Engineers
DSSS	direct sequence spread spectrum			
DTE	data terminal equipment		**IESG**	Internet Engineering Steering Group
DVMRP	Distance Vector Multicast Routing Protocol		**IETF**	Internet Engineering Task Force
			IFDMA	interleaved FDMA
DWDM	dense wave-division multiplexing		**IFS**	interframe space
EBCDIC	extended binary coded decimal interchange code		**IGMP**	Internet Group Management Protocol
			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
			IPv4	Internet Protocol, version 4
FCS	frame check sequence		**IPv6**	Internet Protocol, version 6
FDD	frequency division duplex		**IRTF**	Internet Research Task Force
FDDI	Fiber Distributed Data Interface		**IS-95**	Interim Standard 95
FDM	frequency division multiplexing		**ISAKMP**	Internet Security Association and Key Management Protocol
FDMA	frequency division multiple access			
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			
FRMR	frame reject		**ISOC**	Internet Society
FQDN	fully qualified domain name		**ISP**	Internet service provider
FSK	frequency shift keying		**ITM-2000**	Internet Mobile Communication 2000
FTP	File Transfer Protocol		**ITU**	International Telecommunications Union
GEO	geostationary Earth orbit			
GIF	graphical interchange format		**ITU-T**	ITU, Telecommunication Standardization Sector
GPS	Global Positioning System			
GSM	Global System for Mobile Communication		**IV**	initial vector
HA	home agent			*(Continued on back end sheets)*