AA Authoritative Answer
AAAA IPv6 DNS record
ABR Area Border Router

ACD Automatic Call Distribution

ACELP Algebraic-Code-Excited Linear Prediction

ACK Acknowledgment AD Active Directory

ADPCM Adaptive Differential Pulse Code Modulation

ADSL Asymmetric Digital Subscriber Loop

AF Address Family

AFI Address Family Identifier (RIP); Authority and Format Identifier (IS-IS)

AfriNIC African Network Information Center

AH Authentication Header

AIX Advanced Interactive Executive (IBM's Unix)

AMI Alternate Mark Inversion ANS Advanced Network Service

ANSI American National Standards Institute

AOL America On-Line

API Application Program Interface

APNIC Asian Pacific Network Information Center APPC Advanced Program-to-Program Communications

APPN Advanced Peer-to-Peer Networking
ARIN American Registry for Internet Numbers

ARP Address Resolution Protocol

ARPA Advanced Research Projects Agency

AS Autonomous System

ASBR Autonomous System Boundary Router

ASCII American Standard Code for Information Interchange (IA-5)

ASIC Application Specific Integrated Circuit

ASM Any Source Multicast
ASN.1 Abstract Syntax Notation 1
ASP Active Server Page
AT Advanced Technology

ATM Asynchronous Transfer Mode

ATT Attach segment

AUI Attachment Unit Interface AUP Acceptable Use Policy

AUX Auxiliary

BBN Bolt, Baranek, and Newman, Inc.

BBS Bulletin Board System
BDR Backup Designated Router

BECN Backward Explicit Congestion Notification

BER Bit Error Rate

BGP Border Gateway Protocol
BIND Berkeley Internet Name Domain
BIOS Basic Input/Output System

B-ISDN Broadband Integrated Services Digital Network

BITNET Because It's Time Network

BITS Bump in the Stack
BITW Bump in the Wire
BOOTP Bootstrap Protocol
BPSK Binary Phase Shift Keying
BRI Basic Rate Interface

BSD Berkeley Systems (or Software) Distribution

CA Certificate Authority

CABS Carrier Access Billing System
CAR Committed Access Rate
CAS Channel Associated Signaling
CBC Cipher Block Chaining

CBGP Confederation Border Gateway Protocol

CBT Core-Based Tree

CCITT Consultative Committee on International Telegraphy and Telephony (French

original)

CCS Common Channel Signaling

CD Call Disconnect; Collision Detection
CDMA Code Division Multiple Access

CDR Call Detail Record CE Customer Edge

CED Called Station Identification
CELP Code Excited Linear Prediction

CERN European Council for Nuclear Research

CGI Common Gateway Interface

CHAP Challenge Handshake Authentication Protocol

CIA Central Intelligence Agency
CIDR Classless Interdomain Routing
CIP Connector Interface Panel
CIR Committed Information Rate
CIX Commercial Internet Exchange
CLEC Competitive Local Exchange Carrier

CLI Command Line Interface

CLNP Connectionless Network Protocol
CLNS Connectionless Network Service

CLP Cell Loss Priority
CLV Code/Length/Value

CMIP Common Management Information Protocol CMIS Common Management Information Services

CMOT Common Management Information Services and Protocol Over TCP/IP

CNAME Canonical Name
CNG Calling Number
CO Central Office
CoS Class of Service

CPU Central Processing Unit CRC Cyclical Redundancy Check CRL Certificate Revocation List

CRM Customer Relationship Management

CS Call Status

CSLIP Compressed Serial Line Interface Protocol

CSMA Carrier Sense Multiple Access
CSNP Complete Sequence Number PDU
CSR Certificate Signing Request

CSRC Contributing Source Identifier

CSU Channel Service Unit

CTI Computer Telephony Integration

DAM Diagnostic Acceptability Measure

DARPA Defense Advanced Research Project Agency

DC Direct Current; Demand Circuit
DCA Defense Communication Agency

DCE Data Circuit-terminating Equipment; Distributed Computing Environment

DD Database Description

DDDS Dynamic Delegation Discovery System

DDN Defense Data Network

DE Discard Eligible

DES Data Encryption Standard

DF Don't Fragment

DHAAD Dynamic Home Agent Address Discovery
DHCP Dynamic Host Configuration Protocol
DIS Designated Intermediate System
DNA Digital Network Architecture
DIX Digital, Intel, and Xerox Ethernet
DLCI Data Link Connection Identifier

DLL Dynamic Link Library
DLP Data Link Protocol
DM Delta Modulation
DM Dense Mode

DME Distributed Management Environment

DMZ Demilitarized Zone DNS Domain Name System

DNSSEC Domain Name System Security
DoD Department of Defense

DOS Disk Operating System

DPCM Differential Pulse Code Modulation

DR Designated Router

DRAM Dynamic Random Access Memory

DRT Diagnostic Rhyme Test

DS Digital Signal

DSAP Destination Service Access Point

DSL Digital Subscriber Line
DSP Digital Signal Processor
DSU Digital Service Unit
DTE Data Terminal Equipment
DTMF Dual Tone Multifrequency

DVMRP Distance Vector Multicast Routing Protocol DWDM Dense Wavelength Division Multiplexing

EA External Attributes; Extended Address EBGP External Border Gateway Protocol

ECC Error Correction Code ECM Error Correction Mode

ECN Explicit Congestion Notification EGP Exterior Gateway Protocol

EIGRP Enhanced Interior Gateway Routing Protocol

EIR Excess Information Rate

EoF End of File EoR End of Record ES End System

ESMTP Extensions to Simple Mail Transfer Protocol

ESF Extended Superframe Format ESP Encapsulating Security Payload EUI Extended Unique Identifier

EXEC Executive (mode)
FA Foreign Agent

FAQ Frequently Asked Questions

FCC Federal Communication Commission

FCS Frame Check Sequence

FDDI Fiber Distributed Data Interface FDM Frequency Division Multiplexing

FE Fast Ethernet

FEB Forwarding Engine Board

FEC Forward Error Correction, Fast EtherChannel FECN Forward Explicit Congestion Notification

FEIP Fast Ethernet Interface Processor

FIN Final segment

FIX Federal Internet Exchange
FM Frequency Modulation
FPC Flexible PIC Concentrator
FQDN Fully Qualified Domain Name
FRAD Frame Relay Access Device

FT Forwarding Table

FTAM File Transfer, Access, and Management

FTP File Transfer Protocol

GBE Gigabit Ethernet

GE Gigabit Ethernet

GEO Geosynchronous Earth Orbit

GFC Generic Flow Control

GGP Gateway-to-Gateway Protocol
GIF Graphics Interchange Format
GIP Gateway Interface Protocol
GLP Gateway Location Protocol
GPS Global Positioning System
GRE Generic Routing Encapsulation
GSM Global System for Mobile

GSTN Global Switched Telephone Network

GTLD Generic Top Level Domain GUI Graphical User Interface

HA Home Agent

HDLC High-Level Datalink Control HEC Header Error Control HF High Frequency

HMAC Hashed Message Authentication Check

HTML Hypertext Markup Language HTTP Hypertext Transfer Protocol

IA Implementation Agreement; International Alphabet (ASCII is IA.5); Inter-Area

IAB Internet Activities Board; Internet Architecture Board

IANA Internet Assigned Numbers Authority

ICANN Internet Corporation for Assigned Names and Numbers

ICMP Internet Control Message Protocol

ICV Integrity Check Value

ID Identifier

IDNS Internationalization of the Domain Name Space

IDRP Inter-domain Routing Protocol

IEEE Institute of Electrical and Electronics Engineers

IEN Internet Engineering Notes

IESG Internet Engineering Steering Group
IETF Internet Engineering Task Force
IGMP Internet Group Management Protocol

IGP Interior Gateway Protocol

IGRP Interior Gateway Routing Protocol

IKE Internet Key Exchange

ILEC Incumbent Local Exchange Carrier IMAP Internet Mail Access Program IMP Interface Message Processor

IN Intelligent Network

InARP Inverse Address Resolution Protocol IOS Internetwork Operating System

IP Internet Protocol
IPLS IP-only LAN-like Service

IPSec IP Security

IRC Internet Relay Chat
IRR Internet Routing Registry
IRTF Internet Research Task Force

IS Information Systems

ISAKMP Internet Security Association and Key Management Protocol

ISATAP Intra-site Automatic Tunnel Addressing Protocol

ISBN International Standard Book Number ISDN Integrated Services Digital Network

IS-IS Intermediate System to Intermediate System

ISN Initial Sequence Number

ISO International Organization for Standardization (ISO means "equal")

ISP Internet Service Provider IT Information Technology

ITU International Telecommunication Union ITSP Internet Telephony Service Provider ITU International Telecommunications Union

IVR Interactive Voice Response

JPEG Joint Photographic Experts' Group

KB Kilobyte

L2F Layer 2 Forwarding
L2TP Layer 2 Tunneling Protocol
LAC L2TP Access Concentrator
LAN Local Area Network

LAPB Link Access Procedure Balanced

LAPD Link Access Procedure on the D-channel

LATA Local Access and Transport Area

LCD Liquid Crystal Diode

LCP Link Control Protocol

LDAP Lightweight Directory Access Protocol

LDP Label Distribution Protocol
LEC Local Exchange Carrier
LLC Logical Link Control
LNS L2TP Network Server

LOC Location

LPC Linear Predictive Coding

LS Link State

LSA Link State Advertisement LSB Least Significant Bit (Byte)

LSP Label Switched Path; Link State PDU

MAC Media Access Control MAN Metropolitan Area Network

MAU Media Access Unit

MB Megabytes

MBGP Multiprotocol Border Gateway Protocol

MBONE Multicast Backbone

MC Multipoint Controller; Multicast
MCS Miscellaneous Control System
MCU Multipoint Control Unit

MCU Multipoint Control Unit

MD5 Message Digest 5
MED Multi-Exit Discriminator

MF More Fragments

MGCP Multimedia Gateway Control Protocol

MIB Management Information Base

MIME Multipurpose Internet Mail Extensions

M-ISIS Multicast IS-IS

MLD Multicast Listener Discovery

MN Mobile Node MOSPF Multicast OSPF

MP-BGP Multiprotocol BGP (sometimes)
MPLS Multiprotocol Label Switching
MSDP Multicast Source Discovery Protocol

MSS Maximum Segment Size MTA Mail Transfer Agent

MTU Maximum Transmission Unit

MUA Mail User Agent MX Mail Exchange

NAP Network Access Point

NAPT Network Address Port Translation
NAT Network Address Translation
NBMA Non-Broadcast, Multi-Access
NCP Network Control Protocol

NCSA National Center for Supercomputing Applications

ND Neighbor Discovery

NDP Neighbor Discovery Protocol

NET Network Entity Title NFS Network File System

NIC Network Interface Card/Network Information Center

NID Network Intrusion Detection

NLA Next Level Aggregator

NLRI Network Layer Reachability Information

NOC Network Operations Center

NSAP Network Service Attachment Point
NSF National Science Foundation
NSP Network Service Provider

NSSA Not-So-Stubby-Area

NVRAM Non-Volatile Random Access Memory

NVT Network Virtual Terminal
OACK Option Acknowledgment

OAM&P Operations, Administration, Maintenance & Provisioning

OC Optical Carrier

OFDM Orthogonal Frequency Division Multiplexing

OL OverLoad

ONC Open Network Computing
OSI Open Systems Interconnection

OSI-RM Open Systems Interconnection Reference Model

OSPF Open Shortest Path First

OUI Organizationally Unique Identifier

P Provider

PAC PPTP Access Concentrator
PARC Palo Alto Research Center
PAT Port Address Translation
PC Personal Computer
PCG PFE Clock Generator

PCI Peripheral Component Interconnect

PCM Pulse Code Modulation

PD Packet Director

PDA Personal Digital Assistant
PDU Protocol Data Unit
PE Provider Edge

PFE Packet Forwarding Engine
PGM Pretty Good Multicast
PHP Penultimate Hop Popping
PIC Physical Interface Card

PIM Protocol Independent Multicast PKI Public Key Infrastructure

PLCP Physical Layer Convergence Protocol

PLP Packet Layer Protocol PNS PPTP Network Server

POP Point of Presence/Post Office Protocol

POS Packet over SONET/SDH
PPDU Physical Protocol Data Unit
PPP Point-to-Point Protocol
PPPoE PPP over Ethernet

PPTP Point-to-Point Tunneling Protocol PSDU Physical Layer Service Data Unit

PSH Push

PSNP Partial Sequence Number PDU PSTN Public Switched Telephone Network

PTI Payload Type Indicator

PTR Pointer PW Pseudo-Wire

QoS Quality of Service QR Query Response

RA Routing Arbiter/Recursion Available (DNS)

RADIUS Remote Access Dial-In User Service

RAM Random Access Memory

RARP Reverse Address Resolution Protocol
RAS Registration, Admission, and Status
RD Recursion Desired

RE Routing Engine or Regular Expression

RFC Request for Comment
RIB Routing Information Base
RIP Routing Information Protocol

RIPE NCC Reséaux IP Européens Network Coordination Center

RISC Reduced Instruction Set Computing

ROMMON Read-Only Memory Monitor

RMON Remote Monitor

RP Rendezvous Point (PIM)/Responsible Person (DNS)

RPC Remote Procedure Call
RPF Reverse Oath Forwarding
RPT Rendezvous Point Tree

RQ Request

RR Route Reflector (BGP)/Resource Records (DNS)

RRQ Read Request

RST Reset

RSVP Resource Reservation Protocol

RT Routing Table

RTCP Real-Time Control Protocol

RTMP Routing Table Maintenance Protocol

RTP Real-time Protocol or Reliable Transport Protocol (Cisco)

RTT Round Trip Time

SA Security Association

SAP Service Access Point/Session Announcement Protocol

SASL Simple Authentication and Security Layer

SCB System Control Board (M40)

scp secure copy

SDH Synchronous Digital Hierarchy
SDK Software Development Kit
SDLC Synchronous Data Link Control
SDP Session Description Protocol

SDU Service Data Unit

SFM Switching and Forwarding Module (M160)

SFTP Secure File Transfer Protocol

SGML Standard Generalized Markup Language

SHA Secure Hash Algorithm

SIG Signature

SIP Session Initiation Protocol

SKA Sender Keeps All

SKIP Simple Key Management for Internet Protocols

SLIP Serial Line Interface Protocol

SM Sparse Mode

SMDS Switched Multimegabit Data Services SMI Structure of Management Information

S/MIME Multipurpose Internet Mail Extensions Security

SMTP Simple Mail Transfer Protocol SNA Systems Network Architecture SNAP Sub-Network Access Protocol

SNMP Simple Network Management Protocol

SNP Sequence Number PDU

SNPA Subnetwork Point of Attachment SOHO Small Office/Home Office SONET Synchronous Optical Network

SPF Shortest Path First SPI Security Parameter Index

SPT Shortest Path tree

SRV Services

SS7 Signaling System 7

SSAP Source Service Access Point SSB System Switching Board (M20)

SSH Secure Shell

SSM Source-Specific Multicast

SSRC Synchronization Source Identifier

STP Signaling Transfer Point

SYN Synchronize

TACACS+ Terminal Access Controller Access Control Systems Plus

TC Truncated

TCP Transmission Control Protocol

TE Traffic Engineering

TFTP Trivial File Transfer Protocol

TGZ tar and gzip

TLA Top Level Aggregator
TLI Transport Layer Interface
TLV Type/Length/Value
TLS Transparent LAN Service

ToS Type of Service
TTL Time To Live
TTY Teletype
TXT Text

UA User Agent
UAC User Agent Client
UAS User Agent Server
UDP User Datagram Protocol
UI Unnumbered Information

UIUC University of Illinois Urbana/Champaign

URG Urgent

URI Uniform Resource Identifier

URL Universal (or Uniform) Resource Locator

URN Uniform Resource Name
UTP Unshielded Twisted Pair
VCI Virtual Channel Identifier
VLAN Virtual Local Area Network

VLSM Variable-Length Subnet Masking

VoIP Voice over IP

VPI Virtual Path Identifier
VPLS Virtual Private LAN Service
VPN Virtual Private Network

VPSN Virtual Private Switched Network VPWS Virtual Private Wire Service

VRF Virtual Routing and Forwarding table

VTY Virtual Teletype

WAN Wide Area Network
WEP Wired Equivalent Privacy
WiFi Wireless Fiber/Wireless Fidelity

WRQ Write Request

XDR External Data Representation XML eXtensible Markup Language