

List of acronyms taken from “The Art of Computer Networking”. Not all of these were used in CM30225!

1G	First Generation Cellular
2G	Second Generation Cellular
2.5G	Enhanced Second Generation Cellular
21CN	21st Century Network
3G	Third Generation Cellular
3GSM	Third Generation GSM
6bone	IPv6 backbone
AAL	ATM Adaption Layer
ACK	Acknowledgement
ADSL	Asymmetric Digital Subscriber Line
AES	Advanced Encryption Algorithm
AfriNIC	African Regional Network Information Centre
AFS	Andrew filing system
AH	Authentication Header
AML	Astronomical Markup Language
AM	Amplitude Modulation
AO/DI	Always On/Dynamic ISDN
AoE	ATA over Ethernet
AP	Access Point
API	Application Programming Interface
APNIC	Asia Pacific Network Information Centre
ARIN	American Registry for Internet Numbers
ARPA	Advanced Research Projects Agency
ARP	Address Resolution Protocol
AS	Autonomous System
ASO	Address Supporting Organization
ASCII	American Standard Code for Information Interchange
ATM	Asynchronous Transfer Mode
AUI	Attachment Unit Interface
BGP	Border Gateway Protocol
BNC	British Naval Connector/Bayonet Neill Concelman
BONDING	Bandwidth on Demand Interopability Network Group
BOOTP	Boot protocol
BRI	Basic Rate Interface
BSS	Basic Service Set
BT	Not an acronym! (formerly British Telecommunications plc)
CAN	Community Area Network
CAP	Carrierless Amplitude Phase
CATV	Cable TV
CBC	Cipher Block Chaining
CCITT	International Telephone and Telegraph Consultative Committee
CCMP	Counter-Mode/CBC-MAC
ccNSO	Country-Code Names Supporting Organization
CCK	Complementary Code Keying
ccTLD	Country Code TLD
CDMA	Code Division Multiple Access
CE	Congestion Experienced
CERT	Computer Emergency Response Team
CIDR	Classless InterDomain Routing

CIFS	Common Internet File System
CIPE	Crypto IP Encapsulation
CNAME	DNS Canonical Name
CRC	Cyclic Redundancy Check
CSD	Circuit Switched Data
CSLIP	Compressed SLIP
CSMA/CD	Carrier Sense, Multiple Access, Collision Detection
CSMA/CA	Carrier Sense, Multiple Access, Collision Avoidance
CSS	Cascading Style Sheets
CTS	Clear To Send
CWR	Congestion Window Reduced
DAMA-TDMA	Demand Assignment Multiple Access-Time Division Multiple Access
DARPA	Defense Advanced Research Projects Agency
DAS	Direct Attached Storage
DBPSK	Differential Binary Phase Shift Keying
DDNS	Dynamic DNS
DDOS	Distributed Denial of Service
DF	Don't Fragment
DFS	Dynamic Frequency Selection
DHCP	Dynamic Host Configuration Protocol
DMT	Discrete Multi Tone
DNS	Domain Name System
DOCSIS	Data Over Cable Service Interface Specifications
DQPSK	Differential Quadrature Phase Shift Keying
DRM	Digital Rights Management
DS	Differentiated Services
DSCP	Differentiated Services Code Point
DSL	Digital Subscriber Line
DSLAM	Digital Subscriber Line Access Multiplexer
DSSS	Direct Sequence Spread Spectrum
DTD	Document Type Definition
DWDM	Dense Wave Division Multiplexing
EAP	Extensible Authentication Protocol
EBCDIC	Extended Binary-Coded Decimal Interchange Code
ECE	ECN-Echo
ECN	Explicit Congestion Notification
ECT	ECN-capable Transport
EDGE	Enhanced Data rates for GSM Evolution
EGP	Exterior Gateway Protocol
ENUM	Electronic Numbering
ESP	Encapsulating Security Payload
ESS	Extended Service Set
ETSI	European Telecommunications Standards Institute
FCC	Federal Communications Commission
FCIP	Fibre Channel over IP
FDDI	Fiber Distributed Data Interface
FEC	Forwarding Equivalence Class
FHSS	Frequency Hopping Spread Spectrum
FM	Frequency Modulation
FQDN	Fully Qualified Domain Name
FTP	File Transfer Protocol

FTTC	Fibre to the Cabinet
FTTH	Fibre to the Home
FTTK	Fibre to the Kerb
FTTN	Fibre to the Node
FTTP	Fibre to the Premises
GNSO	Generic Names Supporting Organization
GPRS	General Packet Radio Service
GRE	Generic Routing Encapsulation
GSM	Global System for Mobile Communications
HBA	Host Bus Adaptor
HD	High Definition
HDLC	High-Level Data Link Control
HDSL	High Rate DSL
HSCSD	High-Speed Circuit Switched Data
HTML	HyperText Markup Language
HTTP	HyperText Transfer Protocol
HTTPS	Secure HTTP
IAB	Internet Architecture Board
IANA	Internet Assigned Number Authority
IBSS	Independent Basic Service Set
ICANN	Internet Corporation for Assigned Names and Numbers
ICMP	Internet Control Message Protocol
IDSL	ISDN DSL
IEC	International Electrotechnical Commission
IEEE	Institute for Electric and Electronic Engineers
IESG	Internet Engineering Steering Group
IETF	Internet Engineering Task Force
iFCP	Internet Fibre Channel Protocol
IGMP	Internet Group Management Protocol
IGP	Interior Gateway Protocol
IKE	Internet Key Exchange
IMAP	Internet Message Access Protocol
IMAPS	Secure IMAP
IMP	Interface Message Processor
IP	Internet Protocol
IPComp	IP Payload Compression Protocol
IPSec	Secure IP
IPTV	Internet Protocol Television
IRSG	Internet Research Steering Group
IRTF	Internet Research Task Force
ISAKMP	Internet Security Association and Key Management Protocol
iSCSI	Internet SCSI
ISDN	Integrated Services Digital Network
ISM	Industrial, Scientific And Medical
ISN	Initial Sequence Number
ISO	International Standards Organisation
ISOC	Internet Society
ISODE	ISO Development Environment
ISP	Internet Service Provider
IV	Initialisation Vector
ITU	International Telecommunications Union

ITU-T	ITU, Telecommunications Standardisation
JANET	Joint Academic Network
L2F	Layer Two Forwarding
L2TP	Layer Two Tunneling Protocol
LACNIC	Latin American and Caribbean Network Information Centre
LAN	Local Area Network
LCP	Link Control Protocol
LDAP	Lightweight Directory Access Protocol
LFN	Long Fat Network
LI-XML	Lawful Intercept XML
LLC	Logical Link Control
LOGML	Log Markup Language
MAA	Mail Access Agent
MAC	Media Access Control
MAN	Metropolitan Area Network
MAPS	Mail Abuse Prevention System
MathML	Mathematical Markup Language
MBONE	Multicast Backbone
MBWA	Mobile Broadband Wireless Access
MDA	Mail Delivery Agent
MIME	Multipurpose Internet Mail Extension
MIMO	Multiple Input Multiple Output
MLD	Multicast Listener Discovery
MNP	Microcom Networking Protocol
MP	Multilink PPP
MPEG	Motion Picture Experts Group
MPI	Message Passing Interface
MPPE	Microsoft Point-to-Point Encryption
MPLS	Multiprotocol Label Switching
MRA	Mail Retrieval Agent
MRU	Maximum Receive Unit
MSL	Maximum Segment Lifetime
MSS	Maximum Segment Size
MTA	Mail Transport Agent
MTU	Maximum Transmission Unit
MUA	Mail User Agent
NACK	Negative Acknowledgement
NAPT	Network Address Port Translation
NAPTR	Naming Authority Pointer
NAS	Network Attached Storage
NAT	Network Address Translation
NCP	Network Control Protocol
NFS	Network File System
NIC	Network Information Centre
NNTP	Network News Transfer Protocol
NSF	National Science Foundation
NTP	Network Time Protocol
OASIS	Organization for the Advancement of Structured Information Standards
OC	Optical Carrier level
ODF	Weather Observation Definition Format
OFDM	Orthogonal Frequency Division Multiplexing

OFX	Open Financial Exchange
OML	Open Mobile Alliance
OSI	Open Systems Interconnection
OSPF	Open Shortest Path First
PAWS	Protection Against Wrapped Sequence Numbers
PAN	Personal Area Network
PAT	Port Address Translation
PBCC	Packet Binary Convolutional Coding
PCS	Physical Coding Sublayer
PDML	Product Data Markup Language
PGP	Pretty Good Privacy
PHY	Physical Layer
PLCP	Physical Layer Convergence Procedure
PM	Phase Modulation
PMD	Physical Media Dependent
POP	Post Office Protocol
POS	Packet over SONET
POTS	Plain Old Telephone Service
PPI	Payload Protocol Identifier
PPP	Point-to-Point Protocol
PPPoA	PPP!over ATM
PPPoE	PPP!over Ethernet
PPTP	Point-to-Point Tunneling Protocol
PRI	Primary Rate Interface
PTR	DNS pointer record
PVM	Parallel Virtual Machine
QAM	Quadrature Amplitude Modulation
QoS	Quality of Service
QPSK	Quadrature Phased Shift Keying
RADIUS	Remote Authentication Dial In User Service
RADSL	Rate Adaptive Digital Subscriber Line
RBL	Realtime Blackhole List
RARP	Reverse ARP
RED	Random Early Detection
RDF	Resource Description Framework
RFC	Request for Comments
RIPA	Regulation of Investigatory Powers Act
RIPE	Réseaux IP Européens
RIP	Routing Information Protocol
RPC	Remote Procedure Call
RR	Resource Record
RSS	RDF Site Summary
RTP	Real-Time Transport Protocol
RTS	Request to Send
RTSP	Real Time Streaming Protocol
RTT	Round Trip Time
SACK	Selective Acknowledgement
SAML	Security Assertion Markup Language
SAN	Storage Area Network
SCSI	Small Computer System Interface
SCTP	Stream Control Transmission Protocol

SDH	Synchronous Digital Hierarchy
SDSL	Symmetric DSL
SGML	Standard Generalized Markup Language
SHTTP	Secure HTTP
SID	Stream ID
SIMAP	Secure IMAP
SIP	Session Initiation Protocol
SLIP	Serial Line IP
SMTP	Simple Mail Transfer Protocol
SMTPS	Secure SMTP
SMB	Server Message Block
SMDS	Switched Multimegabit Data Service
SMIL	Synchronized Multimedia Integration Language
SNA	Systems Network Architecture
SOA	Start of Authority
SOAP	Simple Object Access Protocol
SOHO	Small Office/Home Office
SONET	Synchronous Optical Network
SPF	Sender Policy Framework <i>or</i> Sender Permitted From
SPOP	Secure POP
SSL	Secure Socket Layer
SSMTP	Secure SMTP
SSN	Stream Sequence Number
ST	Internet Stream Protocol
STM	Synchronous Transport Module
STS	Synchronous Transport Signal
STUN	Simple Traversal of UDP through Network Address Translators
SVG	Scalable Vector Graphics
SWAP	Shared Wireless Access Protocol
TCM	Trellis-Coded Modulation
TCP	Transmission Control Protocol
TDMA	Time Division Multiple Access
TFTP	Trivial File Transfer Protocol
TKIP	Temporal Key Integrity Protocol
TLA	Three Letter Acronym
TLD	Top Level Domain
TLS	Transport Layer Security
TOE	TCP/IP offload engine
TOS	Type of Service
TPC	Transmit Power Control
TSN	Transmission Sequence Number
T/TCP	TCP for transactions
TTL	Time to Live
UCS	Universal Character Set
UDP	User Datagram Protocol
UKERNA	United Kingdom Education and Research Networking Association
UMTS	Universal Mobile Telephone System
UNII	Unlicensed National Information Infrastructure
UPnP	Universal Plug'n'Play
USB	Universal Serial Bus

USENET	User Network
UTF	UCS Transformation Format
UTP	Unshielded Twisted Pair
UWB	Ultra-Wideband
VDSL	Very High Rate DSL
VID	virtual LAN identifier
VLAN	Virtual LAN
VoiceXML	Voice Extensible Markup Language
VoIP	Voice over IP
VPN	Virtual Private Network
W3C	World Wide Web Consortium
WAN	Wide Area Network
WAP	Wireless Application Protocol
WCDMA	Wideband-CDMA
WDSL	Web Services Description Language
WECA	Wireless Ethernet Compatibility Alliance
WEP	Wired Equivalent Privacy
Wi-Fi	Not an acronym! (formerly Wireless Fidelity)
WiMAX	World Interoperability for Microwave Access
WLAN	Wireless Local Area Network
WML	Wireless Markup Language
WMM	Wi-Fi Multimedia, 802.11e
WPA	Wi-Fi Protected Access
WPA2	Wi-Fi Protected Access, 802.11i
WPAN	Wireless Personal Area Network
WRAN	Wireless Regional Network
WUSB	Wireless USB
WWAN	Wireless Wide Area Network
WWW	World Wide Web
XAUI	10Gb Attachment Unit Interface
XDR	External Data Representation
xDSL	Any or all of the DSL standards
XHTML	Extensible HyperText Markup Language
XML	Extensible Markup Language
XMPP	Extensible Messaging and Presence Protocol
XSL	Extensible Style Language
XSLT	XSL Transformations
XUL	XML User-interface Language