

List of Abbreviations for Computer Networks

2.5G	Extended Second Generation	communications	
3GPP	Third Generation Partnership project	HSCSD	High Speed Circuit Switch Data
ACK	Acknowledgment	HTML	Hypertext Markup Language
ADSL	Asymmetric Digital Subscriber Line	HTTP	Hyper Text Transfer Protocol
AES	Advanced Encryption Standard	ICMP	Internet Control Message Protocol
AIMD	Additive Increase Multiplicative	IETF	Internet Engineering Task Force
Decrease		IEEE	Institute of Electrical and Electronics
AH	Authentication Header	Engineers	
AP	Access Point	IDS	Intrusion Detection System
API	Application Programming Interface	IoT	Internet of Things
ARP	Address Resolution Protocol	IP	Internet Protocol
AS	Autonomous System	IMAP	Internet Message Access Protocol
AQM	Active Queue Management	ISO	International Standard Organization
ARQ	Automatic Repeat Request	ISP	Internet Service Provider
ATM	Asynchronous Transfer Mode	IV	Initialization Vector
BER	Bit Error Rate	IXP	Internet eXchange Point
BGP	Border Gateway Protocol	FIFO	First In First Out
BSC	Base Station Controller	LAN	Local Area Network
BSD	Berkeley Software Distribution	LLC	Logical Link Control
BTS	Base Transceiver Station	LPM	Longest Prefix Matching
CA	Certificate Authority	LTE	Long Term Evolution
CBC	Cipher Block Chaining	MAC	Medium Access Control
CBR	Constant Bit Rate		Message Authentication Code
CDMA	Code Division Multiple Access	MD5	Message Digest 5
CDN	Content Distribution Network	MIB	Management Information base
CSMA/CD	Carrier Sense Multiple Access/Collision	MiTM	Man in the Middle
Detection		MPEG	Motion Picture Experts Group
COA	Care-of Address	MPLS	Multiprotocol Label Switching
CRC	Cyclic Redundancy Check	MS	Mobile Station
CTS	Clear to send	MSS	Maximum Segment Size
cwnd	Congestion Window	MTU	Maximum Transmission Unit
DCCP	Datagram Congestion Control Protocol	NAT	Network Address Translation
DDoS	Distributed Denial of Service	NIC	Network Interface Card
DES	Digital Encryption Standard	NIST	National Institute of Standards and
DHCP	Dynamic Host Configuration Protocol	Technology	
DMZ	Demilitarized Zone	NFS	Network Function Virtualization
DNS	Domain Name System	NTP	Network Time Protocol
DSA	Digital Signature Algorithm	OSPF	Open Shortest Path First
DupThresh	Duplicate Acknowledgment Threshold	P2P	Peer-to-peer
DUPACK	Duplicate Acknowledgment	QoS	Quality of Service
EAP	Extensible Authentication Protocol	RC5	Rivest Cipher 5
ECN	Explicit Congestion Notification	RED	Random Early Detection
EDGE	Enhanced Data for GSM Evolution	RFC	Request for Comments
ETSI	European Telecommunications	RLC	Radio Link Control
Standards Institute		RNC	Radio Network Controller
FDMA	Frequency Division Multiple Access	RPC	Remote Procedure Call
FEC	Forward Error Correction	RSA	Rivest Shamir Adleman
FTP	File Transfer Protocol	RST	Reset
GGSN	Gateway GPRS Serving Node	RTO	Retransmission Timeout
GPRS	General Packet Radio Service	RTS	Ready to send
GSM	Global System for Mobile	RTP	Real Time Protocol

RTSP	Real Time Streaming Protocol	TCP	Transmission Control Protocol
RTT	Round Trip Time	TFRC	TCP-Friendly Rate Control
RTTVAR	Round Trip Time Variation	TLD	Top Level Domain
SA	Security Association	TLS	Transport Layer Security
SAD	SA Database	ToS	Type of Service
SACK	Selective Acknowledgment	TTL	Time To Live
SCTP	Stream Control Transmission Protocol	UBR	Unspecified Bit Rate
SDN	Software Defined Networking	UDP	User Datagram Protocol
SIP	Session Initiation Protocol	UMTS	Universal Mobile Telecommunications
SGSN	Serving GPRS Support Node	System	
SHA	Secure Hash Algorithm	VPN	Virtual Private Network
SLA	Service Level Agreement	VLAN	Virtual LAN
SMTP	Simple Mail Transfer Protocol	WAN	Wide Area Network
SNMP	Simple Network Management Protocol	WEP	Wired Equivalent Privacy
SNR	Signal to Noise Ratio	WCDMA	Wideband Code Division Multiple
SPD	Security Policy Database	Access	
SPI	Security Parameter Index	WFQ	Weighted Fair Queuing
SRTT	Smoothed Round Trip Time	WLAN	Wireless Local Area Network
SSH	Secure Shell	WPA	Wireless Protected Access
SSL	Secure Socket Layer	WWW	World Wide Web
ssthresh	Slow Start Threshold	VoIP	Voice over Internet Protocol
TCAM	Ternary Content Addressable Memory		