

RWTH Aachen

Communication Networks

Abbrevation list

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ACL Asynchronous Connectionless
ADC Analog Digital Converter
ADCCP Advanced Data Communication Control Procedure
ADSL Asymmetric Digital Subscriber Line
AES Advanced Encryption Standard
AH Authentication Header
ANS Advanced Networks and Services
ANSI American National Standards Institute
AMPS Advanced Mobile Phone System
AODV Ad hoc On-demand Distance Vector routing
ARP Address Resolution Protocol
ARPA Advanced Research Project Agency
ARQ Automatic Repeat Request
AS Autonomous System
ASN Abstract Syntax Notation
ASP Active Server Page
ATM Asynchronous Transfer Mode
BGP Border Gateway Protocol
BOC Bell Operating Companies
BOOTP BOOT Protocol
CA Certification Authority
CCITT Comité Consultatif International Téléphonique et Télégraphique
CD Committee Draft
CDMA Code Division Multiple Access
CDN Content Delivery Network
CGI Common Gateway Interface
CIDR Classless InterDomain Routing
CLEC Competitive Local Exchange Carrier
CMTS Cable Modem Termination System
CRC Cyclic Redundancy Check
CRL Certificate Revocation List
CSMA Carrier Sense Multiple Access
CSMA/CA Carrier Sense Multiple Access / Collision Avoidance
CSMA/CD Carrier Sense Multiple Access / Collision Detection
CTS Clear To Send
D-AMPS Digital Advanced Mobile Phone System
DCF Distributed Coordination Function
DCT Discrete Cosine Transformation
DDoS attack Distributed Denial of Service attack
DES Data Encryption Standard
DHCP Dynamic Host Configuration Protocol
DIFS Distributed Coordination Function Interframe Spacing
DIS Draft International Standard
DIX Dell, Intel Xerox
DMCA Digital Millennium Copyright Act
DMT Discrete MultiTone
DNS Domain Name System
DSNsec Domain Name System security

DOCSIS Data Over Cable Service Interface
DoS attack Denial of Service attack
DSLAM Digital Subscriber Line Access Multiplexer
DSSS Direct Sequence Spread Spectrum
DVMRP Distance Vector Multicast Routing Protocol
DWDM Dense Wavelength Division Multiplexing
ECB Electronic Code Block mode
EDGE Enhanced Data rates for GSM Evolution
EIFS Extended Interframe Spacing
ESP Encapsulation Security Payload
FAQ Frequently Asked Questions
FDD Frequency Division Duplexing
FDDI Fiber Distributed Data Interface
FDM Frequency Division Multiplexing
FEC Forward Equivalence Class
FHSS Frequency Hopping Spread Spectrum
FTP File Transfer Protocol
FTTC Fiber To The Curb
FTTH Fiber To The Home
GEO Geostationary Earth Orbit satellite
GPRS General Packet Radio Service
GPS Global Positioning System
GSM Global System for Mobile communications
HDLC High-Level Data Link Control
HDTV High Definition TeleVision
HFC Hybrid Fiber Coax
HMAC Hashed Message Authentication Code
HTML Hypertext Markup Language
HTTP Hypertext Transfer Protocol
HTTPS Secure Hypertext Transfer Protocol
IAB Internet Architecture Board
ICANN Internet Corporation for Assigned Names and Numbers
ICMP Internet Control Message Protocol
IDEA International Data Encryption Algorithm
IEEE Institute of Electrical and Electronics Engineers
IETF Internet Engineering Task Force
IGMP Internet Group Management Protocol
IGP Interior Gateway Protocol
IKE Internet Key Exchange
ILEC Incumbent Local Exchange Carrier
IMAP Internet Message Access Protocol
IMT International Mobile Telecommunications
IMTS Improved Mobile Telephone System
IP Internet Protocol
IPsec Internet Protocol security
IPv4 Internet Protocol version 4
IPv6 Internet Protocol version 6
IRTF Internet Research Taskforce

IS International Standard
IS-IS Intermediate System-Intermediate System
ISAKMP Internet Security Association and Key Management Protocol
ISM Industrial, Scientific, Medical bands
ISO International Standards Organisation
ISP Internet Service Provider
ITU International Telecommunication Union
IV Initialization Vector
IXC IntereXchange Carrier
JPEG Joint Photographic Experts Group
JSP JavaServer Page
JVM Java Virtual Machine
KDC Key Distribution Center
KISS Keep It Simple, Stupid
LAN Local Area Network
LAP Link Access Procedure
LAPB Link Access Procedure B
LAPD Los Angeles Police Department
LATA Local Access and Transport Area
LCP Link Control Protocol
LDAP Lightweight Directory Access Protocol
LEC Local Exchange Carrier
LEO Low Earth Orbit satellite
LLC Logical Link Control
LMDS Local Multipoint Distribution Service
LTP Lightweight Transport Protocol
LSB Least Significant Bit
MAC Media Access Control
MACA Multiple Access with Collision Avoidance
MACAW Multiple Access with Collision Avoidance for Wireless
MAHO Mobile Assisted HandOff
MAN Metropolitan Area Network
MANET Mobile Ad-hoc Network
MEO Medium Earth Orbit satellite
MFJ Modified Final Judgement
MIME Multipurpose Internet Mail Extension
MMDS Multichannel Multipoint Distributed Service
MOSPF Multicast Open Shortest Path First routing
MP3 Motion Picture Experts Group audio layer 3
MPEG Motion Picture Experts Group
MPLS Multiprotocol Label Switching
MSB Most Significant Bit
MSC Mobile Switching Center
MTSO Mobile Telephone Switching Office
MTU Maximum Transfer Unit
NAP Network Address Point
NAT Network Address Translation
NAV Network Allocation Vector

NCP Network Control Protocol
NID Network Interface Device
NIST National Institute of Standards and Technology
NNTP Network News Transfer Protocol
NSA National Security Agency
NSAP Network Service Access Point
NTSC National Television Standards Committee
OFDM Orthogonal Frequency Division Multiplexing
ONU Optical Network Unit
OSPF Open Shortest Path First protocol
PAL Phase Alternating Line
PAR Positive Acknowledgement with Retransmission
PCF Point Coordination Function
PCM Pulse Code Modulation
PCS Personal Communications Service
PEM Privacy Enhanced Mail
PGP Pretty Good Privacy
PHP Hypertext Preprocessor
PIM Protocol Independent Multicast
PKI Public Key Infrastructure
POP Point Of Presence
POP3 Post Office Protocol 3
POTS Plain Old Telephone Service
PPP Point-to-Point Protocol
PTT Post, Telegraph & Telephone administration
QAM Quadrature Amplitude Modulation
QoS Quality of Service
QPSK Quadrature Phase Shift Keying
RAID Redundant Array of Inexpensive Disks
RARP Reverse Address Resolution Protocol
RAS Registration/Admission/Status channel
RED Random Early Detection
RFC Request For Comments
RPC Remote Procedure Call
RRSets Resource Record Sets
RSA Rivest, Shamir, Adleman
RSVP Resource Reservation Protocol
RTCP Real-time Transport Control Protocol
RTFM Read The Fucking Manual
RTP Real-time Transport Protocol
RTS Request To Send
RTSP Real-Time Streaming Protocol
S/MIME Secure/Multipurpose Internet Mail Extension
SA Security Association
SCO Synchronous Connection Oriented
SCTP Stream Control Transmission Protocol
SDH Synchronous Digital Hierarchy
SDLC Synchronous Data Link Control

SECAM Système Electronique Colour Acev Mémoire
SHA Secure Hash Algorithm
SIFS Short Interframing Spacing
SIP Session Initiation Protocol
SIPP Simle Internet Protocol Plus
SMTP Simple Mail Transfer Protocol
SOAP Simple Object Transfer Protocol
SONET Synchronous Optical Network
SPE Synchronous Payload Envelope
SSL Secure Sockets Layer
STS Synchrhonous Transport Signal
TCM Trellis Coded Modulation
TCP Transmission Control Protocoll
TCPA Trusted Computing Platform Alliance
TDD Time Division Duplexing
TDM Time Division Multiplexing
TLS Transport Layer Security
TPDU Transport Protocol Data Unit
TSAP Transport Service Access Point
UDP User Datagram Protocol
UMTS Universal Mobile Telecommunications System
URL Uniform Resource Locator
URN Uniform Resource Name
UTP Unshielded Twisted Pair
VC Virtual Circuit
VLAN Virtual Local Area Network
VPN Virtuap Private Network
VSAT Very Small Aperture Terminal
W3C World Wide Web Consortium
WAE Wireless Application Environment
WAN Wide Area Network
WAP Wireless Application Protocol
WDM Wavelength Division Multiplexing
WDMA Wacelength Division Multiple Access
WDP Wireless Datagram Protocol
WEP Wired Equivalent Privacy
WLL Wireless Local Loop
WML Wireless Markup Language
WSP Wireless Session Protocol
WTLS Wireless Transport Layer Security
WTP Wireless Transaction Protocol
WWW World Wide Web
XHTML Extensible Hypertext Markup Language
XML Extensible Markup Language
XSL Extensible Style Language