



Telematik

Abksverz

A

Abksverz	Abkürzungsverzeichnis
ACK	ACKnowledgement
ACM	Association for Computing Machinery
ADSL	Asymmetric Digital Subscriber Line
AIMD	Additive Increase, Multiplicative Decrease
AMI	Alternate Mark Inversion
ARP	Address Resolution Protocol
ARQ	Automatic Repeat reQuest
AS	Autonomes System
AS	Autonomous System
ASCII	American Standard Code for Information Interchange
ASN.1	Abstract Syntax Notation Number 1
ATM	Asynchronous Transfer Mode

B

BCD	Binary-Coded Decimal
BER	Basic Encoding Rules
BGP	Border Gateway Protocol
BPDU	Bridge Protocol Data Unit
BRAS	Broadband Remote Access Server

C

CA	Collision Avoidance (im Zusammenhang mit CSMA/CA)
CBC	Cypher Block Chaining
CCITT	Comite Consultatif Internationale de Telegraphie et Telephonie

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(International Telegraph and Telephone Consultative Committee)

CD	Collision Detection (im Zusammenhang mit CSMA/CD)
CE	Congestion Experienced (im Zusammenhang mit ECN)
CIDR	Classless Inter-Domain Routing
CHAP	Challenge Handshake Authentication Protocol
CLI	Command Line Interface
CMIP	Common Management Information Protocol
Cnf	Confirmation
Codec	Codierer/Decodierer
Con	Connect
CRC	Cyclic Redundancy Check
CSMA	Carrier Sense Multiple Access
CSMA/CA	CSMA with Collision Avoidance
CSMA/CD	CSMA with Collision Detection
CV	Coderegel-Verletzung
CWnd	Congestion Window (Staukontrollfenster)

D

DES	Data Encryption Standard
Dis / DISC	Disconnect
DLCI	Data Link Connection Identifier
DMT	Discrete Multitone
DNS	Domain Name System
DNSsec	DNS Security
DoS	Denial of Service
DSL	Digital Subscriber Line
DSLAM	DSL Access Multiplexer
DTAG	Deutsche Telekom AG

E

EAP	Extensible Authentication Protocol
EBGP	External BGP
ECN	Explicit Congestion Notification
ECT	ECN-Capable Transport
EGP	Exterior Gateway Protocol
EIGRP	Enhanced Interior Gateway Routing Protocol
ET	Exchange Termination
EWMA	Exponential Weighted Moving Average

F

FCS	Frame Check Sequence
FDDI	Fiber Distributed Data Interface
FEXT	Far End Crosstalk
FIB	Forwarding Information Base
FIN	FINish
FTP	File Transfer Protocol
FTTC	Fibre to the Curb (in Zusammenhang mit DSL)

G

GSM	Global System for Mobile communications
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H

HDLC	High level Data Link Control
HLK	Hochleistungskommunikation (Vorlesung)
HTTP	HyperText Transfer Protocol

I

IANA	Internet Assigned Numbers Authority
ICMP	Internet Control Message Protocol
IDL	Interface Definition Language
IEEE	The Institute of Electrical and Electronics Engineers
IETF	Internet Engineering Task Force
IESG	Internet Engineering Steering Group
IGP	Interior Gateway Protocol
Ind	Indication
IOS	Internetwork Operating System
IP	Internet Protocol
IPsec	IP Security
IRTF	Internet Research Task Force
ISDN	Integrated Services Digital Network
IS-IS	Intermediate System – Intermediate System (Routing Protocol)
ISP	Internet Service Provider
ISO	International Organization for Standardization

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ITM	Institut für Telematik der Universität Karlsruhe (TH)
ITU	International Telecommunication Union

K

KuD, K&D, KomDat Kommunikation und Datenhaltung

L

LAN	Local Area Network
LAP-D	Link Access Protocol (Channel D)
LDP	Label Distribution Protocol (in Zusammenhang mit MPLS)
LED	Light Emitting Diode
LER	Label Edge Router (in Zusammenhang mit MPLS)
LLC	Logical Link Control
LSR	Label Switching Router (in Zusammenhang mit MPLS)
LT	Line Termination

M

M	Meldewort (in Zusammenhang mit ISDN)
MAC	Medium Access Control
MAC	Message Authentication Code
MAN	Medium / Metropolitan Area Network
MD-5	Message Digest 5 (Algorithm)
MIB	Management Information Base
MIT	Management Information Tree
MK	Mobilkommunikation (Vorlesung)
MLT	Multilevel Transmission Encoding
MMK	Multimedia-Kommunikation (Vorlesung)
MMS	Modified Monitored Sum
MO	Managed Object
MPLS	Multiprotocol Label Switching
MSS	Maximum Segment Size
MTP	Message Transfer Part
MTU	Maximum Transfer Unit

N

NCP	Network Control Protocol
NetConf	Network Configuration Protocol
NEXT	Near End Crosstalk
NRZ / NRZI	Non-Return-To-Zero
NRZI	Non-Return-To-Zero Inverted
NRZ-S	Non-Return-To-Zero Space
NSP	Network Service Part
NT	Network Termination

O

OFDM	Orthogonal Frequency Division Multiplex
OSI	Open Systems Interconnection
OSPF	Open Shortest Path First

P

P2P	Peer-to-Peer (wird auch konträr für Point-to-Point verwendet!)
PAD	PADding
PAM	Pulsamplitudenmodulation
PAP	Password Authentication Protocol
PAWS	Protection Against Wrapped Sequence Space
PCM	Pulse Code Modulation
PDU	Protocol Data Unit
POTS	Plain Old Telephone System
PPP	Point-to-Point Protocol
PPPoE	PPP over Ethernet
PSH	PuSH

Q

QoS	Quality of Service
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R

RED	Random Early Detection
Rel	Release
RFC	Request For Comments
RIB	Routing Information Base
RIP	Routing Information Protocol
RPC	Remote Procedure Call
RR	Receive Ready
RST	ReSeT
RSVP	Resource ReSerVation Protocol
RTT	Round Trip Time
RTTM	Round Trip Time Measurements
RZ	Return-to-Zero

S

SABM	Set Asynchronous Balanced Mode
SABME	Set Asynchronous Balanced Mode Extended
SACK	Selective ACK
SAPI	Service Access Point Identifier
SDSL	Symmetric Digital Subscriber Line
SHA	Secure Hash Algorithm
SMTP	Simple Mail Transfer Protocol
SMI	Structure of Management Information
SMS	Short Message Service
SNMP	Simple Network Management Protocol
SNR	Signal-to-Noise Ratio
SOAP	Simple Object Access Protocol
SP	Signaling Point
SS7	Signaling System Number 7
SSH	Secure Shell
SSThresh	Slow Start Threshold
STP	Service Transfer Point
SW	Synchronisierwort (in Zusammenhang mit ISDN)
SYN	SYNchronization

T

TA	Terminal Adaptor
TCP	Transmission Control Protocol
TE	Terminal Equipment
TEI	Terminal Endpoint Identification
TLS	Transport Layer Security
TP	Twisted Pair
TOS	Type of Service

U

UA	Unnumbered Acknowledge
UDP	User Datagram Protocol
UI	Unnumbered Information
URG	URGent
UTP	Unshielded Twisted Pair

V

VDSL	Very high bit-rate Digital Subscriber Line
V-LAN	Virtuelles LAN
VPN	Virtual Private Network
VSt	Vermittlungsstelle

W

WAP	Wireless Application Protocol
WLAN	Wireless LAN
WSDL	Web Service Definition Language
WWW	World Wide Web

X

XML	eXtensible Markup Language
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