

A

AB: Access Bearer
 ACL: Access Control List
 AF: Amplify-and-Forward
 AGI: Attachment Group Indicator
 AIS: Alarm Indication Signal
 ALG: Application Layer Gateway
 AMBR: Aggregated Maximum Bite Rate
 AMPS: Advanced Mobile Phone System
 AN: Access Network
 API: Application Programming Interface
 APN: Access Point Name
 APS: Automatic Protection Switching
 ARP: Allocation and Retention Priority
 ARPU: Average Revenue Per User
 AS: Application Server
 ASON: Automatic Switching Optical Network
 ATM: Asynchronous Transfer Mode
 AWGN: Additive White Gaussian Noise

B

BDI: Backward Defect Indication
 BER: Block Error Rate
 BGCF: Border Gateway Control Function
 BGP: Border Gateway Protocol
 BRAS/SR: Broadband Remote Access Server/Service Router

C

CAC: Connection Acceptance Control
 CC: Continuity Check
 CE: Carrier Ethernet
 CEFL: Cluster-Head Election Using Fuzzy Logic
 CES: Circuit Emulation Service
 CESP: Carrier Ethernet Multi-Service Platform
 CFM: Connectivity Fault Management
 CIR: Committed Information Rate
 CoS: Class of Service
 CRBT: Color Ring Back Tone
 CRC: Cyclic Redundancy Check
 CSF: Client Signal Failure
 CSMA/CD: Carrier Sense Multiple Access with Collision Detect
 CV: Connectivity Verification

D

DDR2: Double Data Rate Two
 DF: Decode-and-Forward
 DiffServ: Differentiated Service
 DMM: Delay Measurement Message
 DMR: Delay Measurement Response
 DSLAM: Digital Subscriber Line Access Multiplexer
 DVB: Digital Video Broadcasting
 DWDM: Dense Wavelength Division Multiplexing

E

EAPS: Ethernet Automatic Protection

Switching

ECMP: Equal Cost Multipath
 EECS: Energy Efficient Clustering Scheme
 EFM: Ethernet in the First Mile
 E-NNI: External Network-Network Interface
 eNodeB: Evolved NodeB
 EPL: Ethernet Private Line
 EPLAN: Ethernet Private LAN
 EPON: Ethernet Passive Optical Network
 EPS: Evolved Packet System
 ERP: Ethernet Ring Protection
 E-SPRing: Ethernet-Shared Protection Ring
 EVC: Ethernet Virtual Connection
 EVPL: Ethernet Virtual Private Line
 EVPLAN: Ethernet Virtual Private LAN
 EXM: Experimental OAM Message
 EXR: Experimental OAM Reply

F

FBC: Flow Based Charging
 FCAPS: Fault, Configuration, Accounting, Performance, Security
 FCS: Frame Check Sequence
 FDD Frequency Division Duplex
 FDI: Forward Defect Indication
 FDMA: Frequency Division Multiple Access
 FE: Fast Ethernet
 FEC: Forwarding Equivalence Class
 FFD: Fast Failure Detection
 FR: Frame Relay
 FRR: Fast Rerouting

G

GAF: Geographical Adaptive Fidelity
 GBR: Guaranteed Bite Rate
 GEAR: Geographic and Energy Aware Routing
 GEM: Graph Embedding
 GFP: Generic Framing Protocol
 GGSN: Gateway GPRS Support Node
 G-MPLS: Generalized Multi-Protocol Label Switching
 GoS: Grade of Service
 GPSR: Greedy Perimeter Stateless Routing
 GRE: Generic Routing Encapsulation
 GROUP: Grid-Clustering Routing Protocol
 GRWLI: Geographic Routing without Location Information
 GTP: GPRS Tunnel Protocol

H

HARQ: Hybrid Automatic Repeat Request
 HDLC: High-Level Data Link Control
 HN: Home Network
 HSDPA: High Speed Download Packet Access
 HSS: Home Subscriber Server
 H-VPLS: Hierarchical Virtual Private LAN Service

I

ICE: Interactive Connectivity Establishment

I-CSCF: Interrogate Call Session Control Function
 IDFT: Inverse Discrete Fourier Transform
 IMS: IP Multimedia Subsystem
 IM-SSF: IP Multimedia Service Switching Function
 IntServ: Integrated Services
 IP-CAN: IP Connectivity Access Network
 IPDSLAM: Internet Protocol Digital Subscriber Line Access Multiplexer
 IPsec: Internet Protocol Security
 ISC: IMS Service Control

L

L2TP: Layer 2 Tunneling Protocol
 L2VPN: Layer 2 Virtual Private Network
 LAPS: Link Access Protocol for SDH
 LAR: Location-Aided Routing
 LB: Loopback
 LBM: Loopback Message
 LBR: Loopback Response
 LCK: Locked
 LDEPA: Lightweight Distributed Ethernet Protection Algorithm
 LDP: Label Distribution Protocol
 LDPC: Low Density Parity Check
 LM: Loss Measurement
 LMM: Loss Measurement Message
 LMP: Link Management Protocol
 LMR: Loss Measurement Response
 LOC: Loss of Continuity
 LRM: Label Release Message
 LSP: Label Switching Path
 LT: Link Trace
 LTE: Long Term Evolution

M

MAC: Media Access Control
 MAN: Metropolitan Area Network
 MBR: Maximum Bit Rate
 MCC: Management Communication Channel
 MEF: Metro Ethernet Forum
 MEL: Maintenance Entity Group Level
 MEN: Metro Ethernet Network
 MFA: Frame Relay Alliance
 MGCF: Multimedia Gateway Control Function
 MGW: Media Gateway
 MIMO: Multiple-Input Multiple-Output
 MME: Mobility Management Entity
 MPLS: Multi-Protocol Label Switching
 MRFC: Multimedia Resource Function Controller
 MRFP: Multimedia Resource Function Processor
 MSAN: Multi-Service Access Node
 MSR: Multi-Service Ring
 M-STP: Multiple Spanning Tree Protocol
 MSTP: Multi-Service Transport Platform
 MTU: Multi-Tenant Unit

N

NACF: Network Attachment Control Function
 NAPT-PT: Network Address and Port Translation-Protocol Translation
 NAT: Network Address Translation
 NC: Network Controller
 NCC: Network Coded Cooperation
 NE: Network Element
 NMS: Network Management System
 NMT: Nordic Mobile Telephone
 NNI: Network Network Interface
 Non-GBR: Non-Guaranteed Bite Rate

O

OAM: Operation, Administration and Maintenance
 Och: Optical Channel
 ODM: One-Way Delay Measurement
 ODU: Optical Data Unit
 OFDM: Orthogonal Frequency Division Multiplexing
 OIF: Optical Internetworking Forum
 OLT: Optical Line Terminal
 ON: Office Network
 OPEX: Operation Expenditure
 OSA: Open Service Access
 OSI: Open System Interoperability
 OSS: Operation Support System
 OTN: Optical Transport Network

P

P2MP: Point-to-Multipoint
 P2P: Point-to-Point
 PAN: Personal Area Network
 PB: Provider Bridge
 PBB: Provider Backbone Bridge
 PBN: Provider Bridge Networks
 PBT: Provider Backbone Transport
 PBX: Private Branch Exchange
 PCC: Policy and Charging Control
 PCE: Path Computation Element
 PCRF: Policy and Charging Rules Function
 P-CSCF: Proxy Call Session Control Function
 PDB: Packet Delay Budget
 PDF: Policy Decision Function
 PD-FE: Policy Decision Functional Entity
 PDH: Pseudo-Synchronous Digital Hierarchy
 PDN: Packet Data Network
 PDP: Packet Data Protocol
 PDU: Protocol Data Unit
 PE: Provider Edge
 PE-FE: Policy Enforcement Functional Entity
 PEP: Policy Enforcement Point
 PHP: Penultimate Hop Popping
 PIR: Peak Information Rate
 PLMN: Public Land Mobile Network
 PLR: Packet Loss Rate
 PMIP: Proxy Mobile IP

POS: Packet Over SDH
 PPP: Point-to-Point Protocol
 PQ: Priority Queuing
 PSN: Packet Switching Network
 PSTN: Public Switched Telephone Network
 PTN: Packet Transport Network
 PUSCH: Physical Uplink Shared Channel
 PVC: Permanent Virtual Connection
 PW: Pseudowire
 PWD: Pseudowire Denotation
 PWE3: Pseudowire Emulation Edge-to-Edge
 PWL: Pseudowire Label

Q

QCI: QoS Class Identifier
 QoS: Quality of Service

R

RACF: Resource and Acceptance Control Function
 RAT: Radio Access Technologies
 RB: Radio Bearer
 RB-ID: Radio Bearer Identifier
 RDI: Remote Defect Indication
 RPR: Resilient Packet Ring
 RSTP: Rapid Spanning Tree Protocol
 RSVP: Resource Reservation Protocol
 RTOS: Real-Time Operating Systems

S

SA: Customer Source MAC
 SAE: System Architecture Evolution
 SAI: Source Attachment Individual Identifier
 SCC: Signalling Communication Channel
 SCF: Service Control Function
 SC-FDMA: Single Carrier Frequency Division Multiple Access
 SCS: Service Capability Server
 S-CSCF: Serving Call Session Control Function
 SDF: Service Data Flow
 SDH: Synchronous Digital Hierarchy
 SGSN: Serving GPRS Support Node
 SGW: Signaling Gateway
 SIP: Session Initiation Protocol
 SLA: Service Level Agreement
 SLF: Subscription Locator Function
 SONET: Synchronous Optical Network
 SSM: Synchronization Status Message
 STBC: Space Time Block Coding
 STCC: Space-Time Coded Cooperation
 STM: Synchronous Transport Module
 STP: Spanning Tree Protocol
 STTC: Space Time Trellis Coding
 SUT: System Under Test

T

TB: Transport Block
 TBF: Trajectory Based Forwarding

TCAS: Traffic alert and Collision Avoidance System
 TCP: Transmission Control Protocol
 TDM: Time Division Multiplexing
 TD-SCDMA: Time Division Synchronous Code Division Multiple Access
 TE: Traffic Engineering
 TEID: Tunnel Endpoint Identifier
 TFT: Traffic Flow Template
 THIG: Topology Hiding Inter-Network Gateway
 T-MPLS: Transport Multi-Protocol Label Switching
 ToS: Type of Service
 TRC-FE: Transport Resource Control Functional Entity
 TTDD: Two-Tier Data Dissemination
 TTI: Transmission Time Interval
 TTL: Time-to-Live
 TURN: Traversal Using Relay NAT

U

UE: User Equipment
 UL-SCH: Uplink Shared Channel
 UMB: Ultra Mobile Broadband
 UMTS: Universal Mobile Telecommunication System
 UNI: User-Network Interface

V

VAS: Value-Added Service
 VC: Virtual Circuit
 VID: VLAN Identifier
 VLAN: Virtual Local Area Network
 VoD: Video on Demand
 VoIP: Voice over Internet Protocol
 VPLS: Virtual Private LAN Service
 VPN: Virtual Private Network
 VPWS: Virtual Private Wire Service
 VS: Vendor Specific
 VSI: Virtual Switching Instance
 VSM: Vendor Specific OAM Message
 VSR: Vendor Specific OAM Reply

W

WAN: Wide Area Network
 WCDMA: Wideband Code Division Multiple Access
 WFQ: Weighted Fair Queuing
 WiMAX: Worldwide Interoperability for Microwave Access
 WINNER: Wireless World Initiative New Radio
 WLAN: Wireless Local Area Networks
 WRR: Weighted Round Robin
 WSN: Wireless Sensor Network
 WWRF: Wireless World Research Forum

Z

ZESR: ZTE Ethernet Smart Ring