

## A

AAA: Authentication, Authorization and Accounting  
 ABC: Always Best Connected  
 ACS: Ambient Control Space  
 ADSL: Asymmetric Digital Subscriber Line  
 AF: Amplify and Forward  
 AF: Application Function  
 AGW: Access Gateway  
 AIS: Artificial Immune System  
 AKA: Authentication and Key Agreement  
 ALG: Application Level Gateway  
 AN: Ambient Network  
 ANI: Ambient Network Interface  
 AODV: Ad hoc On-Demand Distance Vector  
 AP: Access Point  
 API: Application Programming Interface  
 A-RACF: Access-Resource and Admission Control Function  
 ARI: Ambient Resource Interface  
 AS: Application Server  
 ASI: Ambient Service Interface  
 ASIC: Application-Specific Integrated Circuit  
 ASN: Access Service Network  
 ASP: Application Service Provider  
 ATCS: Advanced Tactics Communication System  
 ATM: Asynchronous Transfer Mode  
 AuC: Authentication Center  
 AUN: Ambient Ubiquity Network

## B

BAS: Broadband Access Server  
 BB: Broadband  
 BER: Bit Error Ratio  
 BG: Border Gateway  
 BGCF: Breakout Gateway Control Function  
 BGF: Border Gateway Function  
 BS: Base Station  
 BSC: Base Station Controller  
 BSS: Business Support System  
 BTF: Basic Transport Function  
 BTS: Base Transceiver Station

## C

CA: Certification Authority  
 CAC: Call Admission Control  
 CAMA: Cellular Aided Mobile Ad Hoc Network  
 CAMEL SC: Customized Applications for Mobile network Enhanced Logic-Service Control  
 CAMEL: Customized Application for Mobile network Enhanced Logic  
 CAP: CAMEL Application Part  
 CC: Coded Cooperation

CCS: Credit Clearance Service  
 CDG: CDMA Development Group  
 CGI: Common Gateway Interface  
 CID: Connection Identifier  
 CINR: Carrier-to-Interference-and-Noise Ratio  
 CN: Core Network  
 CPE: Customer Premises Equipment  
 CPL: Call Processing Language  
 CRRM: Common Radio Resource Management  
 CS: Circuit Switched  
 CSCF: Call Session Control Function  
 CSM: Cell Site Modem  
 CSMA/CA: Carrier Sense Multiple Access with Collision Avoidance  
 CSN: Connectivity Service Network  
 CSN: Connectivity Service Network  
 CTIA: Cellular Telecommunications and Internet Association

## D

DARPA: Defense Advanced Research Projects Agency  
 DCD: Downlink Channel Descriptor  
 DF: Decode and Forward  
 DL-MAP: Downlink Map  
 DNS: Domain Name System  
 DO: Data Optimized  
 DSL: Digital Subscriber Line  
 DSLAM: Digital Subscriber Line Access Multiplexer  
 DSR: Dynamic Source Routing

## E

eBS: Evolved Base Station  
 ETSI: European Telecommunications Standards Institute  
 EV-DO: Evolution-Data Optimized

## F

FBC: Flow Based Charging  
 FBSS: Fast Base Station Switching  
 FDD: Frequency Division Duplex  
 FDM: Frequency Division Multiplexing  
 FFR: Fractional Frequency Reuse  
 FFT: Fast Fourier Transform  
 FIP: Internet Protocol  
 FL: Forward Link  
 FMC: Fixed-Mobile Convergence  
 FP6: Sixth Framework Programme  
 FTP: File Transfer Protocol

## G

GERAN: GSM EDGE Radio Access Network  
 GGSN: Gateway GPRS Support Node  
 GLL: Generic Link Layer  
 GPRS: General Packet Radio Service

GSM: Global System for Mobile Communications  
 GUI: Graphical User Interface  
 GW: Gateway

## H

HA: Home Agent  
 H-ARQ: Hybrid Automatic Repeat Request  
 HLR: Home Location Register  
 H-NSP: Home Network Service Provider  
 HO: Handover  
 HPR: High Power Radio  
 HSDPA: High Speed Downlink Packet Access  
 HSS: Home Subscriber Server

## I

iCAR: integrated Cellular and Ad hoc Relaying System  
 IDS: Intrusion Detection System  
 IETF: Internet Engineering Task Force  
 IM SSF: IP Multimedia Service Switching Function  
 IMS: IP Multimedia Subsystem  
 IMSI: International Mobile Subscriber Identity  
 IMT: International Mobile Telecommunications  
 IN: Intelligent Network  
 IP: Internet Protocol  
 IPTV: Internet Protocol Television  
 ISDN: Integrated Services Digital Network  
 ISUP: ISDN User Part  
 IT: Information Technology  
 ITU: International Telecommunication Union  
 ITU-T: Telecommunication Standardization Sector of International Telecommunication Union

## J

JOSAC: Joint Session Admission Control  
 JOSCH: Joint Radio Resource Scheduling  
 JRRM: Joint Radio Resource Management

## L

LAI: Local Area Identification  
 LAN: Local Area Network  
 LPR: Low Power Radio  
 LTE: Long Term Evolution

## M

M3UA: MTP3 User Adaptation Layer  
 MAC: Media Access Control  
 MAN: Metropolitan Area Network  
 MANET: Mobile Ad hoc Network  
 MAP: Mobile Application Part  
 MDHO: Macro Diversity Handover  
 MG: Media Gateway

MGCF: Media Gateway Control Function  
 MGW: Media Gateway  
 MIMO: Multiple-Input Multiple-Output  
 MIP: Mobile Internet Protocol  
 MM: Mobility Management  
 MMD: Multimedia Domain  
 MMS: Multimedia Message Service  
 MRA: Multi-Radio Access  
 MRAS: Multi-Radio Access Selection  
 MRDC: Multi-Radio Diversity Combiner  
 MRF: Media Resource Function  
 MRFC: Media Resource Function Controller  
 MRFP: Media Resource Function Processor  
 MRG/B: Mesh Router with Gateway/Bridge Function  
 MRG: Mesh Router with Gateway Function  
 MRMH: Multi-Radio Multi-Hop  
 MRRM: Multi-Radio Resource Management  
 MRTD: Multi-Radio Transmission Diversity  
 MS: Mobile Station  
 MSC: Mobile Switching Center  
 MSCS: Mobile Switching Center Server  
 MTP: Message Transfer Part  
 MTP3: MTP Level 3

## N

NAP: Network Access Provider  
 NAPT: Network Address Port Translation  
 NAS: Non Access Stratum  
 NASS: Network Attachment Subsystem  
 NAT: Network Address Translation  
 NE: Network Element  
 NGMN: Next Generation Mobile Network  
 NGN: Next Generation Network  
 NNSF: Node Selection Function  
 NRI: Network Resource Identifier  
 NSP: Network Service Provider  
 NWG: Network Working Group

## O

O&M: Operation and Maintenance  
 OCS: Online Charging System  
 OEM: Original Equipment Manufacturers  
 OFCS: Offline Charging System  
 OFDM: Orthogonal Frequency Division Multiplexing  
 OFDMA: Orthogonal Frequency Division Multiple Access  
 OMA: Open Mobile Alliance  
 OSA: Open Service Access  
 OSI: Open Systems Interconnection  
 OSS: Operations Support System

## P

PBX: Private Branch Exchange

PCC: Policy and Charging Control  
 PCEF: Policy and Charging Enforcement Function  
 PCF: Policy Control Function  
 PCRF: Policy and Charging Rules Function  
 P-CSCF: Proxy-Call Session Control Function  
 PDA: Personal Digital Assistant  
 PDF: Policy Decision Function  
 PDG: Packet Data Gateway  
 PDN: Packet Data Network  
 PDP: Packet Data Protocol  
 PDSN: Packet Data Serving Node  
 PEF: Policy Execution Function  
 PHY: Physical Layer  
 PLMN: Public Land Mobile Network  
 PS: Packet Switched  
 PSTN: Public Switched Telephone Network

## Q

QoS: Quality of Service

## R

RACS: Resource and Admission Control Subsystem  
 RAN: Radio Access Network  
 RAT: Radio Access Technology  
 RCEF: Resource Control Enforcement Function  
 RF: Radio Frequency  
 RL: Reverse Link  
 RLC: Radio Link Control  
 RLP: Radio-Link Protocol  
 RRM: Radio Resource Management  
 RS: Relay Station

## S

SAE: System Architecture Evolution  
 SATO: Service-aware Adaptive Transport Overlay  
 SBC: Service Border Controller  
 SCP: Service Control Point  
 SCS: Service Capability Server  
 S-CSCF: Serving Call Session Control Function  
 SCTP: Stream Control Transmission Protocol  
 SDMA: Space Division Multiple Access  
 SGSN: Serving GPRS Support Node  
 SGW: Signalling Gateway  
 SIM: Subscriber Identity Module  
 SIMO: Single-Input Multiple-Output  
 SINR: Signal to Interference plus Noise Ratio  
 SIP: Session Initiation Protocol  
 SLC: Signaling Link Code  
 SLF: Subscription Locator Function  
 SMS: Short Message Service  
 SNR: Signal-to-Noise Rate

SORI: Secure and Objective Reputation-based Incentive  
 SP: Signaling Point  
 SPDF: Service Policy Decision Function  
 SPR: Subscription Profile Repository  
 SR: Selection Relaying  
 SRNC: Signaling Radio Network Controller  
 SS: Subscriber Station  
 SSF: Service Switching Function  
 STC: Space-Time Code

## T

TCP: Transmission Control Protocol  
 TDD: Time Division Duplex  
 TDM: Time Division Multiplexing  
 TISPAN: Telecoms and Internet converged Services and Protocols for Advanced Networking  
 TMSI: Temporary Mobile Subscriber Identity  
 TrGW: Transition Gateway  
 TUP: Telephone User Part

## U

UCD: Uplink Channel Descriptor  
 UDP: User Datagram Protocol  
 UE: User Equipment  
 UL-MAP: Uplink Map  
 UMB: Ultra Mobile Broadband  
 UMTS: Universal Mobile Telecommunications System

## V

VCC: Voice Call Continuity  
 VoD: Video on Demand  
 VoIP: Voice over Internet Protocol  
 VPN: Virtual Private Network

## W

WAG: Wireless Access Gateway  
 WAP: Wireless Application Protocol  
 WCDMA: Wideband Code Division Multiple Access  
 WCN: Wireless Core Network  
 Wi-Fi: Wireless Fidelity  
 WiMAX: Worldwide Interoperability for Microwave Access  
 WINNER: Wireless World Initiative New Radio  
 WLAN: Wireless Local Area Network  
 WMAN: Wireless Metropolitan Area Network  
 WMB: Wireless Mesh Backbone  
 WMN: Wireless Mesh Network  
 WMR: Wireless Mesh Route  
 WP: Working Package  
 WPAN: Wireless Personal Area Network  
 WSN: Wireless Sensor Network  
 WWR: World Water Rescue Foundation