

Abbreviation Index

A

AAA: Authentication, Authorization and Accounting
ACK: Acknowledge
AFE: Adaptive Feature Element
AIE: Air Interface Evolution
AP: Access Point
API: Application Programming Interface
APT: Acquisition, Pointing and Tracking
ARQ: Automatic Repeat Request

B

B3G: Beyond 3G
BAN: Body Area Network
BE: Best Effort
BER: Bit Error Ratio
BLAST: Bell Laboratories Layered Space-Time
BMDO: Ballistic Missile Defense Organization
BPSK: Binary Phase Shift Keying
BS: Base Station
BSS: Basic Service Set
BW: Bandwidth
BWA: Broadband Wireless Access

C

CAMA: Cellular Aided Mobile Ad Hoc Network
CAMEL: Customized Application for Mobile Network Enhanced Logic
CCD: Charge Coupled Device
CDMA: Code Division Multiple Access
CID: Connection Identifier
CORBA: Common Object Request Broker Architecture
COPS: Common Open Policy Service
CPS: Common Part Sublayer
CR: Cognitive Radio
CRC: Cyclic Redundancy Check
CRL: Communications Research Laboratory
CS: Convergence Sublayer
CSCF: Call Session Control Function
CSI: Channel State Information
CSIR: Channel State Information at the Receiver
CSMA/CA: Carrier Sense Multiple Access with Collision Avoidance
CSIT: Channel State Information at the Transmitter
CU: Control Unit

D

DCD: Downlink Channel Descriptor
DDD: Domestic Direct Dialing
DIUC: Downlink Interval Usage Code
DL: Downlink

DLFP: Downlink Frame Prefix
DLMAP: Downlink Map
DoS: Denial of Service
DSL: Digital Subscriber Line
DVB: Digital Video Broadcasting
DVB-S2: Digital Video Broadcasting Satellite Version 2
DWCS: Distributed Wireless Communication System

E

E3G: Enhanced 3G
EDFA: Erbium-doped Fiber Amplifier
ETSI: European Telecommunications Standards Institute
ETS-VI: Engineering Test Satellite VI
EWC: Enhanced Wireless Consortium

F

FADOF: Faraday Anomalous Dispersion Optical Filter
FCC: Federal Communications Commission
FCGS: Fast Cell Group Selection
FCH: Frame Control Header
FCS: Fast Cell Selection
FDD: Frequency Division Duplex
FDMA: Frequency Division Multiple Access
FHSS: Frequency-Hopping Spread Spectrum
FOV: Field of View
FuTure: Future Technology for Universal Radio Environments

G

GC: Generalized Cell
GEO: Geosynchronous Orbit
GeoLITE: Geosynchronous Lightweight Technology Experiment
GGF: Global Grid Forum
GPRS: General Packet Radio Service
GPS: Global Position System
GSM: Global System Mobile
GUP: Generic User Profile
GW: Gateway

H

HAN: Home Area Network
HARQ: Hybrid Automatic Repeat Request
HSDPA: High Speed Downlink Packet Access
HSUPA: High Speed Uplink Packet Access

I

iCAR: Integrated Cellular and Ad Hoc Relaying System

IDD: International Direct Dialing
IETF: Internet Engineering Task Force
IFFT: Inverse Fast Fourier Transformation
IKE: Internet Key Exchange
IMS: IP Multimedia Subsystem
INAP: Intelligent Network Application Protocol
IPSec: Internet Protocol Security
ISC: IMS Service Control
ISI: Intersymbol Interference
ISL: Inter-satellite Link
ISS: International Space Station
ISSERT: International Space Station Engineering Research and Technology
ISUP: Integrated Services Digital Network User Part

J

JAIN: Java API for Integrated Network
JEM: Japanese Experiment Module
JT: Joint Transmission

L

LBER: Least Bit Error Rate
LCDE: Laser Communication Demonstration Experiment
LCE: Laser Communications Experiment
LDPC: Low Density Parity Check Code
LEO: Low Earth Orbit
LFB: Licensed Frequency Band
LOS: Light of Sight
LSTC: Layered Space-Time Code
LTE: Long Term Evolution

M

MA: Multiplexing Access
MAC: Media Access Control
MACA: Mobile Assisted Channel Allocation
MANET: Mobile Ad Hoc Network
MBMS: Multimedia Broadcast Multicast Service
MCN: Multi-hop Cellular Network
MExE: Mobile Execution Environment
MGCF: Media Gateway Control Function
MIMO: Multi Input Multi Output
ML: Maximum Likelihood
MLCD: Mars Laser Communication Demonstration
MM: Mobility Management
MMSE: Minimum Mean Square Error
MOPA: Master Oscillator Power Amplifier
MPDU: MAC Protocol Data Unit
MRC: Maximal Ratio Combining
MSDU: MAC Service Data Unit
MT: Mobile Terminal

Abbreviation Index

N

NASA: National Aeronautics and Space Administration
NASDA: National Space Development Agency of Japan
NAT: Network Address Translation
NRO: National Reconnaissance Office
nrtPS: Non-Real-Time Polling Service

O

OCD: Optical Communication Demo System
OCDHRLF: Optical Communication Demo and High Rate Link Facility
OFDM: Orthogonal Frequency Division Multiplexing
OFDMA: Orthogonal Frequency Division Multiplexing Access
OOK: On-Off Keying
OSA: Open Service Access
OSGi: Open Services Gateway Initiative
OSI: Open System Interconnection
OWL: Web Ontology Language

P

P2P: Peer to Peer
P2PWG: P2P Working Group
PAN: Personal Area Network
PAPR: Peak-to-Average Power Ratio
PAR: Peak-to-Average Ratio
PDA: Personal Digital Assistant
PDCP: Packet Data Convergence Protocol
PDU: Protocol Data Unit
PHS: Payload Header Suppression
PLCP: Physical Layer Convergence Protocol
PMD: Physical Media Dependent Layer
PMP: Point-to-Multipoint
PPDU: Physical Protocol Data Unit
PPM: Pulse Position Modulation
PSC: Primary Scrambling Code
P-SCH: Primary Synchronization Channel
PSDU: Physical Sublayer Service Data Unit
PSTN: Public Switched Telephone Network

Q

QoS: Quality of Service

R

RAB: Radio Access Bearer
RAN: Radio Access Network

RB: Radio Bearer
RDF: Resource Description Framework
RF: Radio Frequency
RKRL: Radio Knowledge Representation Language
RRC: Radio Resource Control
RRM: Radio Resource Management
RTG: Regenerator Timing Generator
rtPS: Real-Time Polling Service

S

SAP: Service Access Point
SAT: SIM Application Toolkit
SCF: Service Control Function
SC-FDMA: Single Carrier-Frequency Division Multiple Access
SCH: Synchronization Channel
SCWS: Supported Channel Width Set
SD: Sphere Decoding
SDMA: Space Division Multiple Access
SDR: Software Defined Radio
SETI: Search for Extraterrestrial Intelligence
SFID: Service Flow Identifier
SINR: Signal-to-Interference-plus-Noise Ratio
SIP: Session Initiation Protocol
SISO: Single Input Single Output
SME: Small and Middle Enterprises
SNR: Signal-to-Noise Ratio
SOA: Service Oriented Architecture
SOHO: Small Office/Home Office
SS: Service Station
SSC: Secondary Scrambling Code
S-SCH: Secondary Synchronization Channel
SSDT: Site Selection Diversity Transmission
STBC: Space Time Block Code
STC: Space Time Code
STRV-2: Space Technology Research Vehicle-2
STTC: Space-Time Trellis Code

T

TCAP: Transactional Capabilities Application Part
TCL: Transmission Convergence Layer
TCP/IP: Transmission Control Protocol/Internet Protocol
TD: Time Division
TDM: Time Division Multiplexing
TDMA: Time Division Multiple Access
TD-SCDMA: Time Division-Synchronous Code Division Multiple Access

TGn Sync: Task Group "n" Synchronization
TSX-5: Tri-Service Experiments-5
TXOP: Transmission Opportunity

U

UCAN: Unified Cellular and Ad-Hoc Network
UCD: Uplink Channel Descriptor
UE: User Equipment
UFB: Unlicensed Frequency Band
UGS: Unsolicited Grant Service
UHF: Ultra High Frequency
UIUC: Uplink Interval Usage Code
UL: Uplink
ULA: Uniform Linear Array
ULMAP: Uplink Map
UML: Unified Modeling Language
UMTS: Universal Mobile Telecommunications Systems
UPnP: Universal Plug and Play
UWB: Ultra-Wide Band

V

VADOF: Voigt Anomalous Dispersion Optical Filter
VAN: Vehicular Area Network
V-BLAST: Vertical-Bell Laboratories Layered Space-Time
VHE: Virtual Home Environment
VHF: Very High Frequency
VLIC: Very-Large-scale Integrated Circuit
VoD: Video on Demand
VoIP: Voice over IP
VPN: Virtual Private Network

W

Wi-Fi: Wireless Fidelity
WiMAX: World Interoperability for Microwave Access
WLAN: Wireless Local Area Network
WMAN: Wireless Metropolitan Area Network
WPAN: Wireless Personal Area Network
WRAN: Wireless Regional Area Network
WWiSE: World-Wide Spectrum Efficiency Consortium
WWRF: World Wireless Research Forum

X

XML: Extensible Markup Language

Z

ZF: Zero-Forcing