

A

AAA: Authentication, Authorization and Accounting
 AIN: Advanced Intelligent Network
 ALG: Application Layer Gateway
 AN: Ambient Network
 ANAT: Alternate Network Address Type
 A-RACF: Access Resource Admission Control Function
 ASM: Advanced Spectrum Management
 AWGN: Additive White Gaussian Noise

B

B-ISDN: Broadband Integrated Service Digital Network
 BPCG: Bandwidth and Power Control Game
 BSF: Bootstrapping Server Function

C

CAST: Configurable Radio with Advanced Software Technology
 C-BGF: Core Border Gateway Function
 CC: Cognitive Circle
 CLIPS: C Language Integrated Production System
 CPC: Cognitive Pilot Channel
 CR: Cognitive Radio
 CSMA/CA: Carrier Sense Multiple Access with Collision Avoidance
 CU: Cognitive User

D

DFA: Distributed Fair Algorithm
 DFT: Discrete Fourier Transform
 DGA: Distributed Greedy Algorithm
 DNPM: Dynamic Network Planning and Management
 DSA: Dynamic Spectrum Access
 DSE: Dual Stack Emulation
 DSL: Digital Subscriber Line
 DWCS: Distributed Wireless Communications System

G

GAA: Generic Authentication Architecture
 GBA: Generic Bootstrapping Architecture
 GGSN: Gateway GPRS Support Node
 GUP: Generic User Profile
 GW: Gateway

H

HLR: Home Location Register
 HMM: Hidden Markov Model
 HSS: Home Subscriber Server

I

IBCF: Interconnect Border Control Function

I-BGF: Interconnect Border Gateway Function
 I-CSCF: Interrogating Call Session Control Function
 IDL: Interface Description Language
 IMS: IP Multimedia Subsystem
 IST: Information Society Technologies

J

JAIN: Java APIs for Integrated Networks
 JCAT: Java Coordination and Transaction
 JCC: Java Call Control
 JCP: Java Community Process
 JDBC: Java Database Connection
 JRRM: Joint Radio Resource Management
 JSR: Java Specification Request
 JTAPI: Java Telephony Application Programming Interface

L

LNA: Low Noise Amplifier
 LU: Licensed User

M

MCM: Multi-Carrier Modulation
 MGCP: Media Gateway Control Protocol
 MRM-SPO: Maximum Reward Model of Sensing Period Optimization
 MT: Mobile Terminal
 MTM-SVD: Multiple-Taper Method-Singular Value Decomposition

N

NAF: Network Access Function
 NAPT: Network Address and Port Translation
 NAPT-PT: Network Address and Port Translation Protocol Translation
 NAT: Network Address Translation
 NE: Network Element
 NGN: Next Generation Network

O

ODBC: Open Database Connection
 OSA: Open Service Architecture
 OSCR: Open Source Cognitive Radio

P

P-CSCF: Proxy Call Session Control Function
 PDA: Personal Digital Assistant
 PDP: Packet Data Protocol
 PKI: Public Key Infrastructure
 PSPDN: Packet Switched Public Data Network
 PSTN: Public Switched Telephone Network

R

RAF: Repository Access Function
 RAPSS: Random Asynchronous Periodic Spectrum Sensing
 RAT: Radio Access Technology
 RBW: Resolution Bandwidth
 RCEF: Resource Control Enforcement Function
 RDA: Randomized Distributed Algorithm
 RKRL: Radio Knowledge Representation Language

S

SCA: Software Communication Architecture
 SCF: Service Capability Feature
 SCS: Service Capability Server
 S-CSCF: Serving Call Session Control Function
 SCTP: Stream Control Transmission Protocol
 SDL: Specification and Description Language
 SDR: Software Defined Radio
 SGSN: Serving GPRS Support Node
 SIP: Session Initiation Protocol
 SLEE: Service Logic Execution Environment
 SLF: Subscriber Locator Function
 SMP: Service Management Point
 SNR: Signal-to-Noise Ratio
 SOAP: Simple Object Access Protocol
 SPDF: Service Policy Decision Function
 SSP: Service Switching Point

T

TLS: Transport Layer Security
 TrGW: Translation Gateway
 TRUST: Transparently Reconfigurable Ubiquitous Terminal

U

UA: User Agent
 UC: Unified Communications
 UDP: User Datagram Protocol
 UE: User Equipment
 UML: Unified Modeling Language
 UMTS: Universal Mobile Telecommunication System
 UPS: Uninterrupted Power Supply
 UWB: Ultra Mobile Broadband

W

WLAN: Wireless Local Access Network
 WMAN: Wireless Metropolitan Area Network
 WPAN: Wireless Personal Area Network
 WRAN: Wireless Regional Area Network
 WSDL: Web Service Description Language