

IEEE WCET Glossary

TERM	DESCRIPTION
3DES	Encryption Standard
3G	Metropolitan Area Network
3GPP	3rd Generation Partnership Project
3GPP2	3G Partnership Project 2
A5	Encryption algorithm
AAA	Authentication Authorization Accounting
AAD	Additional authentication data
ACK	Acknowledge
ACM	Address Complete Message
ADC	Analog to Digital Converted
AES	Advanced Encryption Standard
AF	Diffserv Assured Forwarding
AGC	Automatic Gain Control
AMC	Adaptive Modulation and Coding
AMPS	Advanced Mobile Phone System
ANM	Answer Message
ANSI	American National Standards Institute
AR	Axial Ratio for Elliptical Polarization
ARIB	Association of Radio Industries and Business
AS	Application Server
ASCII	American Standard code for Information Interchange
ASN	Access Service Network
ASN.1	Abstract Syntax Notation One
ASP	Application Service Provider
ATIS	Association Telecommunications Industries Standards
ATM	Asynchronous Transfer Mode
AuC	Authentication Center
AUT	Antenna Under Test
AUTN	Network authentication token
AUTS	Token used in resynchronization
AWS	Advanced Wireless Services
BCMCS	Broadcast and Multicast Services
BE	Best Effort
BSC	Base Station Controller
BSS	Basic Service Set
BTS	Base Transceiver Station
CBC	Cipher Block Chaining Message
CBC-MAC	Cipher Block Chaining Message Authentication Code
CC	Call Control
CCCH/BCCH	Common Control Channel Broadcast Control Channel
CCI	Co Channel Interference
CCM	CTR Mode with CBC-MAC
CCMP	Counter Mode with Cipher Block Chaining Message Authentication Code Protocol
CCSA	China Communications Standard Association
CDMA	Code Division Multiple Access
CGM	Conjugate Gradient Method
CID	Connection ID
CIR	Carrier to Interference Ratio
CM	Connection Management
CMA	Constant Modulus Algorithm
COMP128	Algorithm
CP	Cyclic Prefix
CP	Circular Polarization
CQI	Channel Quality Indicator
CRC	Cyclic Redundancy Check
CRC-32	Cyclic Redundancy check 32 bits
CS	Coding Scheme
CSCF	Call Session Control Function

CSMA/CA	Carrier Sense Multiple Access with Collision Avoidance
CSN	Connectivity Service Network
CST	Computer Simulation Technology
CTIA	International Association for the Wireless Telecommunications Industry
CTS	Clear To Send
DARPA	Defense Advanced Research Projects
dBi	Decibel Isotropic
dBm	Decibel milliwatts
dBr	Decibel Relative
DCH	Dedicated Channel
DECT	Digital Enhanced Cordless Telephony
DES	Data Encryption Standard
DiffServ	Packet Classification
DIFS	Distributed Inter Frame Space
DL	Down Link
DMB	Digital Multimedia Broadcasting
DNS	Domain Name System
DRA	Dielectric Resonator Antenna
DRC	Data Rate Control
DSL	Digital subscriber Line
DSS1	Digital Subscriber Signaling System 1
DVB-H	Digital Video Broadcast Handheld
EAP	Extensible Authentication Protocol
EAP-FAST	EAP Flexible Authentication via Secure Tunneling
EAPoL	EAP Over LAN
EAP-TLS	EAP Transport Layer Security
EAP-TTLS	EAP Tunneled TLS
E-DCH	Enhanced Dedicated Channel
EDGE	Enhanced Data Rates for GSM Evolution
EF	Diffserv Expedited Forwarding
EGPRS	Enhanced GPRS
EIA	Electronic Industries Alliance
EIRP	Effective Isotropic Radiated Power
EM	Electromagnetic
EP	Elliptical Polarization
ERP	Effective Radiated Power
ESS	Extended Service Set
eTOM	Enhanced Telecom Operations Map
ETSI	European Telecommunications Standard Institute
FA	Foreign Agent
FACA	US Federal Advisory Committee Act
FBSS	Fast Base Station Switching
FCC	Federal Communications Commission
FCC	Federal Communications Commission
FDD	Frequency Division Duplex
FDMA	Frequency Division Multiple Access
FDMA	Frequency Division Multiple Access
FDTD	Finite Difference Time Domain
FEM	Finite Element Method
FFT	Fast Fourier Transform
FSO	Free Space Optics
FSS	Frequency Selective Surfaces
G.711	Encoder
GGSN	Gateway GPRS Support Node
GKH	Group Key Hierarchy
GMSC	Gateway Mobile Switching Centre
GPRS	General Packet Radio service
GPRS	General Packet Radio Service
GPS	Global Positioning System
GSM	Global System for Mobile Communications
GTC	Generic Token Card
H.263	Video Codec Low-Bit rate

H.264	Video Codec MPEG-4 Advanced Video Codec
HARQ	Hybrid Automatic Repeat Request
HARQ	Home Agent
HE	Home Environment
HFSS	High Frequency Structure Simulator
HHO	Hard Handoff
Hi-Cap	High Capacity
HLR	Home Location Register
HLR/AUC	Home Location Register/Authentication Center
HN	Home Network
HO	Handoff
HSDPA	High Speed Down Link Packet Access
HS-DSCH	High Speed Downlink Shared Channel
HSPA	High Speed Packet Access
HSS	Home Subscriber Server
HSUPA	Enhanced Uplink E-DCH
HTTP	Hypertext Transfer Protocol
IBSS	Independent Basic Service Set
I-CSCF	Interrogating CSCF
ICV	Integrity Check Value
IDEN	Integrated Digital Enhanced Network
IEC	International Electro technical Commission
IETF	Internet Engineering Task Force
IF	Intermediate Frequency
IFFT	Inverse Fast Fourier Transform
IK	integrity key
IKE	Internet Key Exchange
IMS	IP Multimedia System
IMSI	International Mobile Subscriber Identity
IMT-2000	International Mobile Telecommunications 2000 ITU standard
IP	Internet Protocol
IP v4	Internet Protocol Version 4
IP v6	Internet Protocol Version 6
IP-CAN	IP Connectivity Access Networks
IPSec	Protocols for Security
IS-136	Interim Standard 136
IS-95	Interim Standard 95 CDMA ONE
ISM	Industry Science and Medical RF Band
ISO	International Standard Organization
ISUP	ISDN User Part
ISUP IAM	ISUP Initial Address Message
ITIL	Information Technology` Infrastructure Library
ITU	International Telecommunication Union
ITU-R	International Telecommunication Union Radio
KA	Knowledge Area
KC	Ciphering Key
KCK	EAPoL Key Communication Key
KEK	EAPoL Key Encryption Key
LAN	Local Area Network
LDPC	Turbo Code
LH	Left Hand Circular Polarization
LMS	Least Mean Square
Lo-Cap	Low Capacity
LOS	Line of Sight
LOS	Local Oscillator
LP	Linear Polarization
LS-CMA	Least Squares Constant Modulus Algorithm
LTE	Long Tern Evolution
LTE	Long Term Evolution
MAC	Media Access Control
MAC	Message Authentication Code
MAC-S	Authentication token used in resynchronization

MAN	Metropolitan Area Network
MAP	Mobile Application Part
MBMS	Multimedia Broadcast/Multicast Service
MCW	Multi Codeword
MD5	Message digest 5
MDHO	Macro Diversity Handover
MDS	Minimum Discernible Signal
MEdiaFLO	Forward Link Only Technology
MGCF	Media Gateway Control Function
MGW	Media Gateway
MIB	Management Information Base
MIC	Message Integrity Code
MIMO	Multiple Input Multiple Output
MIP	Mobile IP
MISO	Multiple Input Single Output
MM	Mobility Management
MMUSIC	Multiparty Multimedia Session Control
MoM	Method of Moments
MOS	Mean Opinion Score
MPDU	MAC Protocol Data Unit
MPEG	Moving Picture Expert Group
MPLS	Multiprotocol Label Switching
MRF	Media Resource Function
MS	Mobile Station
MSC	Mobile Switching Center
MSC/VLR	Mobile Switching Center/Visitor Location register
MU-MIMO	Multiple User MIMO
NACK	Not Acknowledge
NAS	Network Access Server
NAV	Network Allocation Vector
NEBS	Network Equipment Building Systems standard
NEC	Numerical Electromagnetics Code
NF	Noise Figure
NFC	Near Field Communication
NGMC	Next Generation Mobile Committee
NGMN	Next Generation Mobile Networks
NGN	New Generation Network
NIC	Network Interface Card
NIST	National institute of Standards and Technology
NLOS	Non Line of Sight
NMHA	Normal Mode Helical Antenna
NRSC	Network Reliability Steering Committee
NSP	Network Service Provider
NSS	Network Subsystem
NSTAC	National Security Telecommunications Advisory Committee(US)
OATS	Open Area Test Site
OFDMA	Orthogonal Frequency Division Multiple Access
OGC	Office of Government Commerce
OSA	Opportunistic Spectrum Address
OSI	Open Systems Interconnect
OSPF	Open Shortest Path First Routing Protocol
OSS/BSS	Operational and Business Support Systems
OTA	Over The Air Programming
OTP	One Time password
PAN	Personal Area Network
PAPR	High Peak to Average Power Ratio
P-CSCF	Proxy CSCF
PDC	Personal Digital Cellular
PDSN	Packet Data Serving Node
PDSN	Packet Data serving Node
PDU	Protocol Data Unit
PEAP	Protected EAP

PFDM	Orthogonal Frequency Division Multiplex
PHY	Physical
PIFA	Planar Inverted F Antenna
PIN	Personal Identification Number
PKH	Pairwise Key Hierarchy
PL	Path Loss
PLMN	Public Land Mobile Networks
PN	Pseudo Noise
PO	Physical Optics
PPP	Point to Point Protocol
PSK	Phase Shift Keying
PSTN	Public Switched Telephone Network
PSTN	Public Switched Telephone Network
QAM	Quadrature Amplitude Modulation
QoS	Quality of Service
QPSK	Quadrature Phase Shift Keying
RACH	Random Access Channel
RADIUS	Remote Access Dial In User Server
RAN	Radio Acces Network
RAND	Random
RC4	RC4 Cipher Algorithm
RET	Remote Electrical Tilt
RF	Radio Frequency
RFC	Request For Comment
RFC	Request for Change
RFID	Radio Frequency Identification
RHCP	Right Hand Circular Polarization
RLS	Recursive Least Squares
RNC	Radio Network Controller
ROAMOPS	IETF Roaming Operations
ROHC	Robust Header Compression
RR	Radio Resource
RRC	Radio Resource Control
RSA	Rivest Shamir Alderman
RSN	Robust Security Networks
RSNA	Robust Security Network Associations
RTP	Real Time Protocol
RTS	Request to Send
RTT	Round Trip Time
S/N	Signal to Noise Ratio
SA	Security Association
SCP	ETSI Smart Card Platform
S-CSCF	Serving CSCF
SCTP	Stream Control Transmission Protocol
SCW	Single Codeword
SDCCH	Stand Alone Dedicated Channel
SDMA	Space Division Multiple Access
SDR	Software Defined Radio
SEGF	Security Gateway Function
SF	Spreading Factor
SFDR	Spurious Free Dynamic Range
SFID	Service Flow ID
SGSN	Serving GPRS Support Node
SGW	Signaling Gateway
SID	System Identification Number
SIG	Special Interest Group of WWRF
SIM	Subscriber Identity Module
SIMO	Single Input Multiple Output
SIP	Session Initiation Protocol
SIR	Signal to Interference Ratio
SISO	Single Input Single Output
SLF	Subscriber Location Function

SMI	Structure of Management Information
SMS	Short Message Service
SM-SC	Short Message Service Center
SMTP	Simple Message Transfer Protocol
SNMP	Simple Network Management Protocol
SPC	Single Parity Check
SQN	Sequence
SRES	Signed Response
SRTP	Secure RTP
SS7	Signaling System 7
SSB	Single Sideband
SSID	Service Set Identifier
STA	Stations
T2P	Traffic To Pilot
TCAP	Transaction Capabilities application Part
TCH	Traffic Channel
TCH/FS	Traffic Channel Full Rate Speech
TCH/HS	Traffic Channel Half Rate
TCP	Transmission Control Protocol
TCP/IP	Suite of Protocols
TD-CDMA	Time Division CDMA
TDD-HCR	Time Division Duplex
TDMA	Time Division Multiple Access
TD-SCDMA	Time Division Synchronous CDMA
TIA	Telecommunications Industry Association
TK	Temporal Key
TKIP	Temporary Key Integrity Protocol
TMF	TM Forum
TS	Time Slot
TSC	TKIP Sequence Counter
TSG CT	TSG Core Network & Terminals
TSG GERAN	TSG GSM EDGE Radio Access Network
TSG RAN	TSG Radio Access Network
TSG SA	ETG Services & System Aspects
TTA	Telecommunications Technology Association of Korea
TTC	Telecommunications Technology Committee
UDP	User Datagram Protocol
UE	User Equipment
UMB	Ultra Mobile Broadband
UMTS	Universal Mobile Telecommunications System
UMTS AKA	Protocol used in 3G
URA	Universal Terrestrial Radio Access
USGS	United States Geological Survey
USIM	UMTS SIM
UTRA	Universal Terrestrial Radio Access
UTRA TDD-HCR	TD-CDMA UTRA MODE
UTRA TDD-LCR	TD-SCDMA UTRA MODE
UTRAN	UMTS Terrestrial Radio Access Network
UWB	Ultra Wideband
VLR	Visitor Location Register
VN	Visited Network
VoIP	Voice Over IP
VSWR	Voltage Standing Wave Ratio
WAN	Wide Area Network
W-CDMA	Wideband CDMA
WEP	Wireless Encryption Protocol
WERT	Wireless Emergency Response Team
WG	Working Group of WWRF
WiFi	Wireless Fidelity
WiMAX	Worldwide Interoperability for Microwave Access
WINNER	Wireless World Initiative New radio
WLAN	Wireless LAN

WMN	Wireless Mesh Network
WPA2	Wi-Fi Protected Access
WRC	World Radio Communication Conference
WWRF	Wireless World Research forum
XG	Next Generation
XMAC (PG 26)	Cryptographic primitive in the 3GSM Key Generation Process
XOR	Exclusive Or