

Acronyms and Abbreviations

2G	2nd G eneration (cellular system)
3G	3rd G eneration (cellular system)
3GPP	3 rd G eneration P artnership P roject
AAA	A uthentication A uthorization A ccounting
AC	A lternating C urrent
ACLS	A cute C ardiac L ife S upport
ACM	A daptive C oding and M odulation
ACSS	A ccess C ontrol S ub S ystem
AD	A pplicable D ocument
ADAC	A llgemeiner D eutscher A utomobil C lub
ADSL	A symmetric D igital S ubscriber L ine
AES	A dvanced E ncryption S tandard
AFLT	A dvanced F orward L ink T riangulation
A-GPS	A ssisted G lobal P ositioning S ystem
AI	A ir I nterface
AIE	A ir I nterface E ncryption
AJK	A zad J ammu K ashmir
AMR	A daptive M ultiple R ate codec
ANO	A ccess N etwork O perators
AOA	A ngle of A rrival
API	A pplication P rogramming I nterface
APSK	A mplitude and P hase S hift K eying
ARES	A mateur R adio E mergency S ervice
ARTES	A utomated R emote T ime E ntry S ystem
ATM	A synchronous T ransfer M ode
AUC	A uthentication C enter
AZF	A Zote F ertilisant
BCH	B ose- C haudhuri- H ochquenghem (coding)
BGAN	B roadband G lobal A rea N etwork (Inmarsat)
BGP	B order G ateway P rotocol
BLEVE	B oiling L iquid E xpanding V apour E xplosion
BoD	B andwidth on D emand
BSC	B ase S tation C ontroller
BSS	B usiness S upport S ystems or B ase S tation S ubsystem (GSM)
BTS	B ase T ransceiver S tation
BUC	B lock U p C onverter
CAC	C onnection A dmission C ontrol
CBR	C ontinuous B it R ate
CBRNE	C hemical B iological R adiological N uclear E xplosive
CCK	C omplementary C ode K eying
CDMA	C ode D ivision M ultiple A ccess
CGALIES	C oordination G roup on A ccess to L ocation I nformation by E mergency S ervices
CGI	C ell G lobal I ntity
CGI+RTT	C ell G lobal I ntity + R ound T rip T ime
CGI+TA	C ell G lobal I ntity + T iming A dvance
CN	C ore N etwork
CPE	C ustomer P remise E quipment
CS	C ircuit S witched

CSMA/CA	C arrier S ense M ultiple A ccess with C ollision A voidance
D8PSK	D ifferential 8 P hase- S hift K eying
DAMA	D emand A ssigned M ultiple A ccess
DC	D irect C urrent
DECT	D igital E nhanced C ordless T elecommunications
DGNA	D ynamic G roup N umber A ssignment (TETRA)
DHCP	D ynamic H ost C onfiguration P rotocol
DMO	D irect M ode O peration (TETRA)
DNS	D omain N aming S ystem
DQPSK	D ifferential Q uadrature P hase- S hift K eying
DRA	D ynamic R ate and C oding A daptation
DS	D isaster- S afe segment (requirements)
DSLAM	D igital S ubscriber L oop A ccess M ultiplexer
DSP	D igital S ignal P rocessing
DSSS	D irect S equence S pread S pectrum
DVB	D igital V ideo B roadcasting
DVB-IP	DVB with I nternet P rotocol
DVB-RCS	D igital V ideo B roadcasting – R eturn C hannel by S atellite
DVB-S	DVB over S atellite
DVB-S2	DVB over S atellite version 2 (evolution)
DVMRP	D istance V ector M ulticast R outing P rotocol
EADS	E uropean A eronautic D efence and S pace C ompany N.V.
EDGE	E nhanced D atarates for G SM E volution
EEFIT	E arthquake E ngineering F ield I nvestigation T eam
EFLT	E nhanced F orward L ink T rilateration
EIR	E quipment I dentify R egister (GSM)
EIRP	E ffective I sotropic R adiated P ower
EMS	E mergency M edical S ervices
EOC	E mergency O perations C entre
EOTD	E nhanced O bserved T ime D ifference
ESA	E uropean S pace A gency
ETSI	E uropean T elecommunication S tandard I nstitute
EU	E uropean U ion
EWC	E nhanced W ireless C onsortium
FAP	F air A ccess P olicy
FCC	F ederal C ommunications C ommission
FDD	F requency D ivision D uplex (UMTS)
FDMA	F requency D ivision M ultiple A ccess
FEC	F orward E rror C orrection
FEMA	F ederal E mergency M anagement A gency
FFT	F ast F ourier T ransfer
FLSS	F orward L ink S ub S ystem
FNRASSEC	F édération N ationale des R adio- A mateurs au S ervice de la S écurité C ivile
FR	F rame R elay
FTP	F ile T ransfer P rotocol
GAN	G lobal A rea N etwork (Inmarsat)
GEO	G eostationary E arth O rbital
GGSN	G ateway G PRS S upport N ode
GHz	G igahertz (thousands of MHz)
GIS	G eographical I nformation S ystem
GMLC	G ateway M obile L ocation C entre (LBS)
GMLC/GMPC	G ateway M obile L ocation/ P ositioning C entre (LBS)

GMSS	Gateway Management SubSystem
GoS	Grade of Service (TETRA)
GPRS	General Packet Radio Service
GPS	Global Positioning System
GSM	Global System for Mobile Communications
H	High (requirements applicability)
HF	High Frequency
HLR	Home Location Register (GSM)
HPA	High Power Amplifier
HTTP	HyperText Transfer Protocol
HTTPS	HTTP Secure
IDEA	International Data Encryption Algorithm
IDU	InDoor Unit
IE	Internet Explorer
IF	Intermediate Frequency
IFL	Inter-Facility Link
IGMP	Internet Group Management Protocol
IMAP	Internet Messaging Access Protocol
IMSI	International Mobile Subscriber Identity
IMT-2000	International Mobile Telecommunications 2000
IP	Internet Protocol
IPSec	IP Security
ISDN	Integrated Services Digital Network
ISDR	International Strategy for Disaster Reduction
ISI	Inter-System Interface (TETRA)
ISP	Internet Service Provider
IT	Information Technology
ITU	International Telecommunications Union
L	Low (requirements applicability)
L2TP	Layer 2 (two) Tunnelling Protocol
LAN	Local Area Network
LBS	Location-Based Service
LD	Large Disaster (disaster type)
LDAP	Lightweight Directory Access Protocol
LDPC	Low-Density Parity-Check (coding)
LEO	Low-Earth Orbit
LIP	Location Information Protocol (TETRA)
LMU	Location Measurement Unit
LNB	Low Noise Block
LOCUS	Location of Cellular Users for Emergency Services
M	Medium (requirements applicability)
MAC	Medium Access Control layer
MAN	Metropolitan Area Network
MCD	Multi-Carrier Demodulator
MD	Medium Disaster (disaster type)
MDTRS	Mobile Digital Trunked Radio System (TETRA)
MELPe	Mixed Excitation Liner Predictive enhanced
MF-TDMA	Multi-Frequency Time Division Multiple Access
MHz	Megahertz (million Hertz)
MIMO	Multiple-Input Multiple-Output
MLC	Mobile Location Center (LBS)
MMI	Man-Machine Interface
MMS	MOGIS Management System

MMS	Multimedia Messaging Service
ModCod	Modulation and Coding
MoU	Memorandum of Understanding (TETRA)
MPC	Mobile Positioning Centre
MPEG	Moving Picture Experts Group
MPLS	Multi-Protocol Label Switching
MPS	Mobile Positioning Service (LBS)
MSC	Mobile Service Switching Center (GSM)
MTBF	Mean Time Between Failure
MTI	Moving Target Indicator
NA	Not Applicable (requirements applicability)
NASA	National Aeronautics and Space Administration (USA)
NAT	Network Address Translation
NATO	North Atlantic Treaty Organization
NGO	Non-Governmental Organization
NIC	Network Interface Controller
NOC	Network Operations Centre
NSGS	Network Side GSM Server
NSS	Network and Switching Subsystem
NUT	Notebook User Terminal (BGAN)
NWFP	North West Frontier Province
O&M	Operations and Maintenance
OBP	On-Board Processing
OD	On-Disaster site segment (requirements)
ODU	OutDoor Unit
OFDM	Orthogonal Frequency-Division Multiplexing
OGC	Open Geospatial Consortium
OMA	Open Mobile Alliance
Op	Operator requirements
OPEX	Operational and Performance EXpenditures
OSOCC	On-Scene Operations Command Centre
OSS	Operations Support Systems
OV	OVERall end-to-end WISECOM system (requirements)
P25	Project 25
PABX	Private Automatic Branch eXchange
PAMR	Public Access Mobile Radio
PAT	Port Address Translation
PC	Personal Computer
PCM	Pulse Code Modulation
PCM	Process Communication Model®
PCU	Packet Control Unit
PDA	Personal Digital Assistant
PDN	Packet Data Network
PEI	Peripheral Equipment Interface (TETRA)
PEP	Performance Enhancing Proxy
PIM	Protocol Independent Multicast
PLMN	Public Land Mobile Network
PMR	Professional Mobile Radio
PoP	Point of Presence
POP	Post Office Protocol
PPPoE	Point to Point Protocol over Ethernet
PPTP	Point-to-Point Tunnelling Protocol
PS	Packet Switched

PSAP	P ublic S afety A ccess P oint
PSI	P rogram S pecific I nformation
PSK	P hase S hift K eys
PSTN	P ublic S witched T elephone N etwork
PTT	P ush T o T alk (TETRA)
PUT	P ocket U ser T erminal (BGAN)
QAM	Q uadrature A mplitude M odulation
QoS	Q uality of S ervice
QPSK	Q uadrature P hase S hift K eys
RACES	R adio A mateur C ommunication E mergency S ervices
RADIUS	R emote A uthentication D ial I n U ser S ervice
RAN	R adio A ccess N etwork
RAYNET	R adio A mateur E mergency N etwork
RCS	R adar C ross S ection
RD	R eference D ocument
RF	R adio F requency
RFID	R adio F requency I dentification
RFS	R adio F requency S ubsystem
RLSS	R eturn L ink S ub S ystem
RNC	R adio N etwork C ontroller
ROSETTA	R eal O pportunities for E xploitation of T ransport T elematics A pplications
RS	R eed S olomon (coding)
RTSP	R eal T ime S treaming P rotocol
RTT	R ound T rip T ime
S&R	S earch and R escue
SAMU	S ervice d'Aide M édicale U rgente
SAR, S&R	S earch and R escue
SatCom	S atellite C ommunications
SCP	S ecure C opy P rotocol
SCPC	S ingle C hannel P er C arrier
SD	S mall D isaster (disaster type)
SDS	S hort D ata S ervice (TETRA)
Se	S ervice requirements
SeNTRE	S ecurity N etwork for T echnological R esearch in E urope
SFTP	S ecure F ile T ransfer P rotocol
SGSN	S erving G PRS S upport N ode
SIM	S ubscriber I dentity M odule
SIP	S ession I nitiation P rotocol
SLA	S ervice L evel A greement
SME	S mall and M edium E nterprise
SMLC	S erving M obile L ocation C entre (LBS)
SMLC/SMPC	S erving M obile L ocation/ P ositioning C entre (LBS)
SMS	S hort M essage S ervice
SMSC	S hort M essage S ervice C entre (GSM, LBS)
SMTP	S imple M ail T ransport P rotocol
SNMP	S imple N etwork M anagement P rotocol
SNPE	S ociété N ationale de P oudres et d' E xplosifs (French defense company)
SOCKS	S OCKet S ecure
SOFDMA	S calable O rthogonal F requency D ivision M ultiple A ccess
SOHO	S mall O ffice – H ome O ffice
SOS-CALL	S ave O ur S ouls - C all

SP	S ervice P rovider
SQL	S tructured Q uery L anguage
SS7	S ignaling S ystem 7
SSH	S ecure S hell
SSL	S ecure S ocket L ayer
SSPA	S olid S tate P ower A mplifier
ST	S atellite T erminal
STB	S et- T op B ox
S-UMTS	S atellite U MTS
SUPL	S ecure U ser- P lane L ocation standard
SwMi	S witching M anagement I nfrastructure (TETRA)
TA	T iming A dvance
TBC	T o B e C ompleted / C onfirmed
TBD	T o B e D efined
TCP	T ransport C ontrol P rotocol
TD	T ropical D epression
TDD	T ime D ivision D uplex (UMTS)
TDM	T ime- D ivision M ultiplex
TDMA	T ime- D ivision M ultiple A ccess
TDRS	T racking D ata and R elay S atellites
TE	T erminal E quipment
TEA	T ETRA E ncryption A lgorithm
TEDS	T ETRA E nhanced D ata S ervice
TETRA	T ERrestrial T runked R Adio (presently)
TETRA	T rans E uropean T runked R Adio (90's)
TFSS	T ime and F requency S ub S ystem
TFTP	T rivial F ile T ransfer P rotocol
TISS	T errestrial I nterface S ub S ystem
TKIP	T emporal K ey I ntegrity P rotocol
TLS	T ransport L ayer S ecurity protocol
TM	T ransportability and M obility (requirement category)
TMO	T runked M ode O peration
TNT	2,4,6-Trinitrotoluene (CAS Number 118-96-7; explosive)
ToS	T ype o f S ervice
Tr	T ransport segment (requirements)
Tracks	T ransportable C ommunication network extension by satellite
TS	T ropical S torm
TS	T echnical S ystem requirements
TSGS	T erminal S ide G SM S erver
TTFF	T ime T o F irst F ix
UAM	U ser A uthorization M anager program
UDP	U ser D atagram P rotocol
UE	U ser E quipment
UHF	U ltra H igh F requency
UICC	U niversal I ntegrated C ircuit C ard
UMTS	U niversal M obile T elecommunications S ystem
UN	U nited N ations
Us	U ser requirements
US	U ser and S ervice requirements
USA	U nited S tates of A merica
USB	U niversal S erial B us
USIM	U MTS S ubscriber I dentify M odule
UT	U ser T erminal (BGAN)

UTC	C oordinated U niversal T ime (zulu or Greenwich Mean Time, GMT)
U-TDOA	U plink T ime D ifference of A rrival
UTRAN	U MTS T errestrial R adio A ccess N etwork
UW	U nique W ord
V+D	V oice + (plus) D ata (TETRA)
VBR	V ariable B it R ate
VHF	V ery H igh F requency
VLR	V isitor L ocation R egister (GSM)
VoD	V ideo o n D emand
VoIP	V oice o ver I P
VPN	V irtual P rivate N etwork
VSAT	V ery S mall A perture T erminal
WAN	W ide A rea N etwork
WAT	W ISECOM A ccess T erminal
W-CDMA	W ideband C ode D ivision M ultiple A ccess (UMTS)
WEP	W ired E quivalent P rivacy
WHO	W orld H ealth O rganization
WiFi	W ireless F idelity (IEEE 802.11b wireless networking)
WiMAX	W orldwide I nteroperability for M icrowave A ccess, Inc. (group promoting IEEE 802.16 wireless broadband standard)
WISECOM	W ireless I nfrastructure over S atellite for E mergency C OMmunications
WLAN	W ireless L ocal A rea N etwork
WMD	W eapon M ass D estruction
WP	W ork P ackage
WPA	W ireless P rotected A ccess
WRC	W orld R adio C onference
WWW	W orld W ide W eb