List of Abbreviations

2G	Second Generation
3G	Third Generation
3GPP	Third Generation Partnership Project
AES	Advanced Encryption Standard
AF	Authentication Framework
AH	Authentication Header
AK	Anonymity Key
AKA	Authentication and Key Agreement
AM	Acknowledged Mode
AMPS	Advanced Mobile Phone System
ARIB	Association of Radio Industries and Businesses
AS	Access Stratum
ASIC	Application Specific Integrated Circuit
ATM	Asynchronous Transfer Mode
AuC	Authentication Centre
BCH	Broadcast Channel
BER	Bit Error Rate
BS	Base Station
BSS	Base Station Subsystem
BTS	Base Transceiver Station(GSM)
CBC	Cipher Block Chaining
CFN	Connection Frame Number
CFB	Cipher Feedback
CK	Cipher Key
CM	Communication Management
CN	Core Network
CS	Circuit Switched
DCCH	Dedicated Control Channel
DES	Data Encryption standard
ECB	Electronic Code Book
ECSD	Enhanced Circuit Switched Data
EDGE	Enhanced Data Rates for GSM Evolution
EGPRS	Enhanced GPRS
FACH	Forward Access Channel
FDD	Frequency Division Duplex
FDMA	Frequency Division Multiple Access
FPGA	Field Programmable Gate Array
GGSN	Gateway GPRS Support Node
GMSC	Gateway MSC
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communications
GTP	GPRS Tunneling Protocol
HE	Home Environment
HFN	Hyper Frame Number

HLR	Home Location Register
IDEA	International Data Encryption Algorithm
IK	Integrity Key
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IMT-2000	International Mobile Telecommunications-2000
IP	Internet Protocol
IPSec	IP Security
Iu	Interface between MSC/SGSN and RNC
Iub	Interface between RNC and BS
Iur	Interface between RNCs
LAI	Location Area Identity
LLC	Logical Link Control
MAC	Message Authentication Code/Medium Access Control
MAP	Mobile Application Part
ME	Mobile Equipment
MM	Mobility Management
MS	Mobile Station
MSC	Mobile Switching Centre
NE	Network Element
NMT	Nordic Mobile Telephone
OFB	Output Feedback
OSI	Open Systems Interconnect
PCH	Paging Channel
PDC	Personal Digital Cellular
PDCP	Packet Data Convergence Protocol
PDU	Protocol Data Unit
PLMN	Public Land Mobile Network
PS	Packet Switched
PSTN	Public Switched Telephone Network
RACH	Random Access Channel
RAN	Radio Access Network
RANAP	Radio Access Network Application Protocol
RLC	Radio Link Control
RRC	Radio Resource Control
RRM	Radio Resource Management
SCCP	Signalling Connection Control Part
SDP	Session Description Protocol
SDU	Signalling Data Unit
SGSN	Serving GPRS Support Node
SIM	Subscriber Identity Module
SM	Session Management
SN	Serving Network
SQN	Sequence Number
SRNC	Serving RNC
TACS	Total Access Communication System

TCP	Transmission Control Protocol
TMSI	Temporary Mobile Subscriber Identity
UDP	User Datagram Protocol
UE	User Equipment
UMTS	Universal Mobile Telecommunications System
USIM	Universal Subscriber Identity Module
UTRAN	UMTS Terrestrial Radio Access Network
Uu	Radio Interface
VLR	Visitor Location Register
WCDMA	Wideband Code Division Multiple Access
WEP	Wired Equivalent Privacy

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