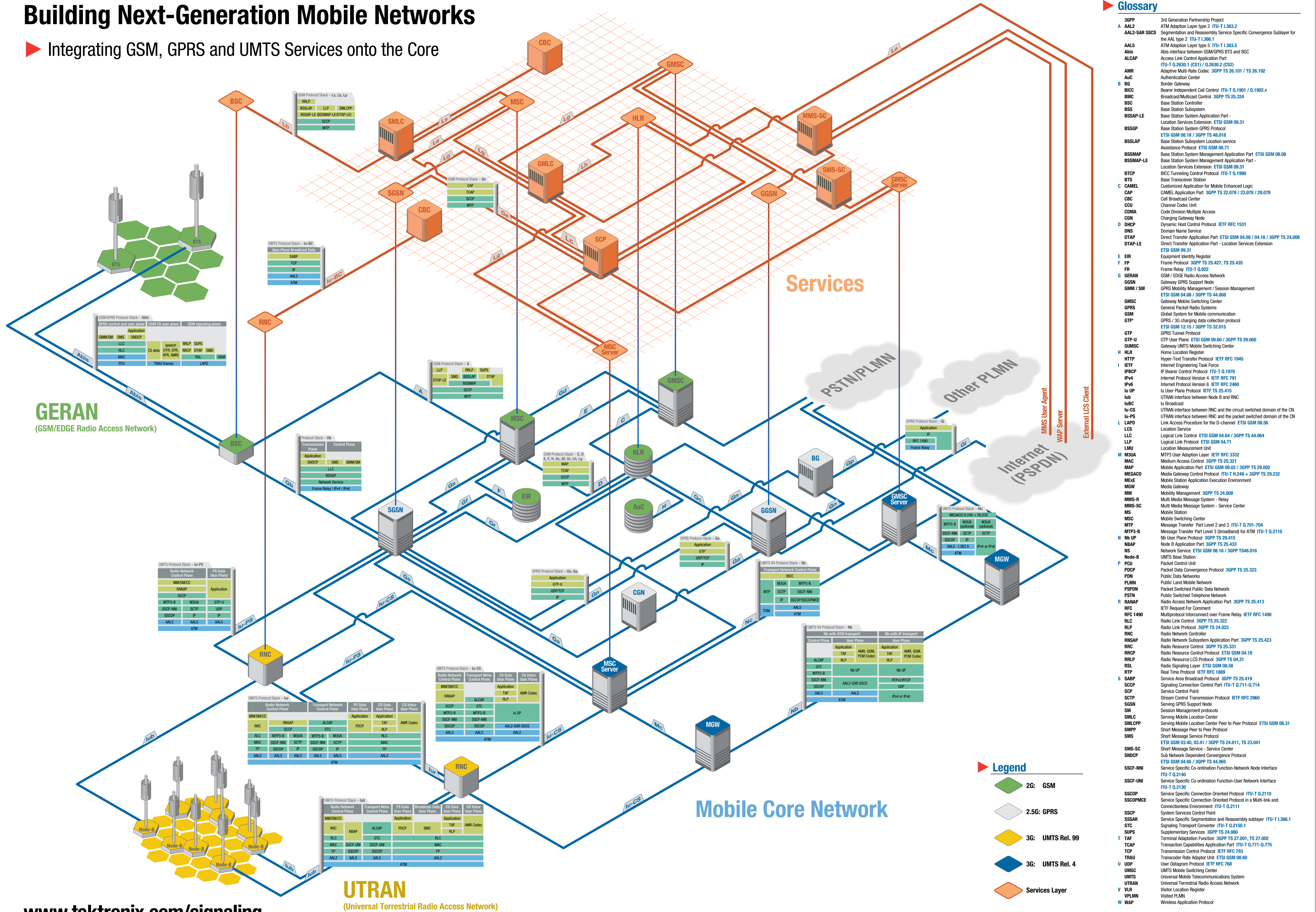


# Building Next-Generation Mobile Networks

## Integrating GSM, GPRS and UMTS Services onto the Core



Glossary	
3GPP	3rd Generation Partnership Project
A	ATM Adaptation Layer type 2 ITU-T L.363.2
AAL2-SAR	Segmentation and Reassembly Service Specific Convergence Sublayer for the AAL type 2 ITU-T L.363.1
AAL5	ATM Adaptation Layer type 5 ITU-T L.363.5
Abis	Abis interface between GSM/GPRS BTS and BSC
ALCAP	Access Link Control Application Part
AMR	ITU-T Q.2630.1 (CS1) / Q.2630.2 (CS2)
AuC	Adaptive Multi-Rate Codec 3GPP TS 26.101 / TS 26.102
Auth	Authentication Center
B	Border Gateway
BICC	Bearer Independent Call Control ITU-T Q.1901 / Q.1902.x
BMC	Broadband/Multicast Control 3GPP TS 25.324
BSC	Base Station Controller 3GPP TS 25.324
BSS	Base Station Subsystem
BSSAP-LE	Base Station System Application Part - Location Services Extension ETSI GSM 09.31
BSSGP	Base Station System GPRS Protocol ETSI GSM 08.18 / 3GPP TS 46.018
BSSMAP	Base Station System Management Application Part - Location Services Extension ETSI GSM 09.31
BSSMAP-LE	Base Station System Management Application Part - Location Services Extension ETSI GSM 09.31
BSSSLAP	Base Station System Location Service Assistance Protocol ETSI GSM 08.71
BSSMAP	Base Station System Management Application Part - Location Services Extension ETSI GSM 09.31
BSSMAP-LE	Base Station System Management Application Part - Location Services Extension ETSI GSM 09.31
BTCP	Base Transceiver Station
BTS	Base Transceiver Station
C	Customized Application for Mobile Enhanced Logic
CAMEL	CAMEL Application Part 3GPP TS 22.078 / 23.078 / 29.078
CAP	Cell Broadcast Center
CCU	Channel Codec Unit
CDMA	Code Division Multiple Access
CGN	Charging Gateway Node
D	Dynamic Host Control Protocol IETF RFC 1531
DNS	Domain Name Service
DTAP	Direct Transfer Application Part ETSI GSM 04.08 / 04.18 / 3GPP TS 24.008
DTAP-LE	Direct Transfer Application Part - Location Services Extension ETSI GSM 09.31
E	Equipment Identity Register
FF	Frame Protocol 3GPP TS 25.427, TS 25.435
FR	Frame Relay ITU-T Q.922
G	GSM / EDGE Radio Access Network
GERAN	Gateway GPRS Support Node
GGSN	GPRS Mobility Management / Session Management ETSI GSM 04.08 / 3GPP TS 44.008
GMM / SM	Gateway Mobile Switching Center
GMSC	Gateway Mobile Switching Center
GPRS	General Packet Radio Systems
GSM	Global System for Mobile communication
GTP'	GPRS / 3G charging data collection protocol ETSI GSM 12.15 / 3GPP TS 32.015
GTP	GPRS Tunnel Protocol
GTP-U	GTP User Plane ETSI GSM 09.60 / 3GPP TS 29.060
GMSC	Gateway UMTS Mobile Switching Center
H	Home Location Register
HLR	Hyper-Text Transfer Protocol IETF RFC 1945
HTTP	Internet Engineering Task Force
I	Internet Engineering Task Force
IETF	IP Beamer Control Protocol ITU-T Q.1970
IPBCP	Internet Protocol Version 4 IETF RFC 791
IPv4	Internet Protocol Version 6 IETF RFC 2460
IPv6	Iu User Plane Protocol IETF TS 25.415
Iu-UP	UTRAN interface between Node B and RNC
Iu-BC	Iu Broadcast
Iu-CS	UTRAN interface between RNC and the circuit switched domain of the CN
Iu-PS	UTRAN interface between RNC and the packet switched domain of the CN
L	Link Access Procedure for the D-channel ETSI GSM 08.56
LAPD	Location Service
LCS	Logical Link Control ETSI GSM 04.64 / 3GPP TS 44.064
LLC	Logical Link Protocol ETSI GSM 04.71
LLP	Location Measurement Unit
LMU	MTP3 User Adaptation Layer IETF RFC 3332
M	Medium Access Control
MAC	Mobile Application Part ETSI GSM 09.02 / 3GPP TS 29.002
MAGACO	Media Gateway Control Protocol ITU-T H.248 + 3GPP TS 29.232
ME-C	Mobile Station Application Execution Environment
MEW	Media Gateway
MM	Mobility Management 3GPP TS 24.008
MMS-R	Multi-Media Message System - Relay
MMS-SC	Multi-Media Message System - Service Center
MS	Mobile Station
MSC	Mobile Switching Center
MTP	Message Transfer Part Level 2 and 3 ITU-T Q.707-704
MTP3-B	Message Transfer Part Level 3 (broadcast) for ATM ITU-T 0.2110
N	Nb User Plane Protocol 3GPP TS 29.415
Nb-UP	Node B Application Part 3GPP TS 25.433
NBAP	Network Service ETSI GSM 08.16 / 3GPP TS 48.016
NS	Network Service ETSI GSM 08.16 / 3GPP TS 48.016
Node-B	UMTS Base Station
P	Packet Control Unit
PCU	Packet Data Convergence Protocol 3GPP TS 25.323
PDCP	Public Data Networks
PDN	Public Land Mobile Network
PLMN	Packet Switched Public Data Network
PSPDN	Public Switched Telephone Network
PSDN	Radio Access Network Application Part 3GPP TS 25.413
R	IETF Request For Comment
RFC	Multiprotocol Interconnect over Frame Relay IETF RFC 1490
RFC 1490	Radio Link Control 3GPP TS 25.322
RLC	Radio Link Protocol 3GPP TS 24.022
RLP	Radio Link Protocol 3GPP TS 24.022
RNC	Radio Network Controller
RNSAP	Radio Network Subsystem Application Part 3GPP TS 25.423
RRC	Radio Resource Control 3GPP TS 25.331
RRCP	Radio Resource Control Protocol ETSI GSM 04.18
RRLP	Radio Resource Location Center Peer to Peer Protocol ETSI GSM 08.31
RSL	Radio Signaling Layer ETSI GSM 08.58
RTP	Real Time Protocol IETF RFC 1889
S	Service Area Broadcast Protocol 3GPP TS 25.419
SABP	Signaling Connection Control Part ITU-T Q.711-Q.714
SCCP	Service Control Point
SCP	Stream Control Transmission Protocol IETF RFC 2960
SCPT	Serving GPRS Support Node
SGSN	Session Management protocols
SM	Serving Mobile Location Center
SMLC	Serving Mobile Location Center Peer to Peer Protocol ETSI GSM 08.31
SMLCP	Short Message Peer to Peer Protocol
SMPP	Short Message Peer to Peer Protocol
SMS	Short Message Service Protocol ETSI GSM 03.40, 03.41 / 3GPP TS 24.011, TS 23.041
SMS-SC	Short Message Service - Service Center
SNDSCP	Sub-Network Dependent Convergence Protocol ETSI GSM 04.65 / 3GPP TS 44.065
SSCF-NNI	Service Specific Co-ordination Function-Network Node Interface ITU-T Q.2140
SSCF-UNI	Service Specific Co-ordination Function-User Network Interface ITU-T Q.2130
SSCOP	Service Specific Connection Oriented Protocol ITU-T Q.2110
SSCOPMCE	Service Specific Connection Oriented Protocol in a Multi-link and Connectionless Environment ITU-T Q.2111
SSCP	System Services Control Point
SSSAR	Service Specific Segmentation and Reassembly sublayer ITU-T L.366.1
STC	Signaling Transport Converter ITU-T Q.2150.1
SUPS	Supplementary Services 3GPP TS 24.080
T	Terminal Adaptation Function 3GPP TS 27.001, TS 27.002
TAF	Transaction Capabilities Application Part ITU-T Q.771-Q.775
TCAP	Transaction Capabilities Application Part IETF RFC 793
TCP	Transmission Control Protocol IETF RFC 793
TRAU	Transcoder Rate Adaptor Unit ETSI GSM 08.60
UDP	User Datagram Protocol IETF RFC 768
U	UMTS Mobile Switching Center
UMSC	UMTS Mobile Switching Center
UMTS	Universal Mobile Telecommunications System
UTRAN	Universal Terrestrial Radio Access Network
VLR	Visitor Location Register
VPLMN	Visited PLMN
W	WAP
WAP	Wireless Application Protocol

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**UTRAN**  
(Universal Terrestrial Radio Access Network)

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