

GSM - Globalni sustav pokretnih komunikacija (*Global System for Mobile communications*)
HSCSD - kanalska komutacija podataka velikom brzinom (*High Speed Circuit Switched Data*)

GPRS - Opće paketske radijske usluge (*General packet radio service*)
EDGE - Sustav poboljšanih brzina prijenosa podataka (*Enhanced Data rates for Global Evolution*)
UMTS - *Universal Mobile Telecommunication System*
HSPA - *High Speed Packet Access*
SIM - *Subscriber Identity Module*

RAN - Radijska pristupna mreža (*Radio Access Network*)
FDMA - višestruki pristup u frekvencijskoj podjeli (*Frequency Division Multiple Access*)
TDMA - Višestruki pristup u vremenskoj podjeli (*Time Division Multiple Access*)
CDMA - višestrukog pristupa u kodnoj podjeli (*Code Division Multiple Access*)

NSS - Mrežni sustav (*Network System*)
GMSC - Prilazni pokretni komutacijski centar (*Gateway Mobile Switching Centre*)
MSC - Pokretni komutacijski centar (*Mobile Switching Centre*)
BSS - Sustav baznih postaja (*Base Station System*)
BSC - Upravljač bazne postaje (*Base Station Controller*)
BTS - Primopredajna bazna postaja (*Base Transceiver Station*)
MS - Pokretna postaja (*Mobile Station*)

LA – lokacijsko područje (*Location Area*)
RA - područjem usmjeravanja (*Routing Area*)
HLR - Domaći lokacijski registar (*Home Location Register*)
VLR - Posjetiteljski lokacijski registar (*Visitor Location Register*)
AUC - Centar za provjeru autentičnosti (*Authentication Centre*)
EIR - Registar identifikacije opreme (*Equipment Identification Register*)

CM - Podsloj upravljanja vezom (*Connection Management*)
MM - Podsloj upravljanja pokretljivošću (*Mobility Management*)
RR - Podsloj za upravljanje radijskim resursima (*Radio Resource Management*)
LAPDm - *Link Access Protocol D mobile*
BSSAP - BSS aplikacijski dio (*BSS Application Part*)
SCCP - BSS aplikacijski dio (*Signalling Connection Control Part*)
MTP - dio za prijenos poruka (*Message Transfer Part*)
BSSMAP - *BSS Management Application Process*
DTAP - *Direct Transfer Application Process*

PCU - paketska kontrolna jedinica (*Packet Control Unit*)
SGSN - Uslužni GPRS potporni čvor (*Serving GPRS Support Node*)
GGSN - Prilazni GPRS potporni čvor (*Gateway GPRS Support Node*)
TCAP - *Transaction Capability Application Part*
MAP - *Mobile Application Part*

HSS - poslužitelj domaćih pretplatnika (*Home Subscriber Server*)
IMS - IP višemedijski podsustav (*IP Multimedia Subsystem*)
TBF - *Temporary Block Flow*
TFI - *Temporary Flow Identity*
LLC - *Logical Link Control*
RLC - *Radio Link Control*
MAC - *Medium Access Control*

PDP - *Packet Data Protocol*

BSSGP - *Base Station System GPRS Protocol*

GTP - *GPRS Tunnelling Protocol*

SNDCP – *Sub-Network Dependent Convergence Protocol*

GTP – *GPRS Tunneling Protocol*

SMS - Usluga kratkih poruka (*Short Messaging Service*)

EMS - Poboljšana usluga izmjene poruka (*Enhanced Messaging Service*)

MMS - Usluga višemedijskih poruka (*Multimedia Messaging Service*)

WAP - *Wireless Application Protocol*

UTRA - Zemaljski radijski pristup (*UMTS Terrestrial Radio Access*)

RNS - Radijski mrežni podsustav (*Radio Network Subsystem*)

RNC - upravljač radijske mreže (*Radio Network Controller*)

CRNC - Kontrolni RNC (*Controlling RNC*)

SRNC - Uslužni RNC (*Serving RNC*)

DRNC - Prihvatni RNC (*Drifting RNC*)

W-CDMA - *Wideband Code Division Multiple Access*

FDD - *Frequency Division Duplex*

TD-CDMA - *Time Division Code Division Multiple Access*

TDD - *Time Division Duplex*

PDCP - *Packet Data Convergence Protocol*

MAP – *Mobile Application Part*

NAT - *Network Address Translation*

HSDPA - Brzi paketski pristup u dolaznom smjeru (*High Speed Downlink Packet Access*)

HSUPA - Brzi paketski pristup u odlaznom smjeru (*High Speed Uplink Packet Access*)

AMC - Adaptivna modulacija i kodiranje (*Adaptive Modulation and Coding*)

FCSS - *Fair Scheduling and Fast Cell Site Selection*

TTI – *Transit Time Interval*

PDG - *Packet Data Gateway*

IMS - Internetni višemedijski sustav

MBMS - Višeodredišno razaslanje u pokretnoj mreži (*Multimedia Broadcast and Multicast Service*)

DVB-H - *Digital Video Broadcasting – Handheld*

BM-SC - Centar za višeodredišno razaslanje (*Broadcast and Multicast Service Center*)

AS - Aplikacijski poslužitelj (*Application Server*)

OS CS - *Open Service Access –Service Capability Server*

IM SSF - *IP Multimedia –Service Switching Function*

CSCF - Funkcija za upravljanje sjednicom poziva (*Call Session Control Function*)

MGCF - Funkcija upravljanja medijskim pristupnikom (*Media Gateway Control Function*)

BGCF - Funkcija upravljanja pristupnikom za prebacivanje veze (*Breakout Gateway Control Function*)

MRF - Funkcija medijskih resursa (*Media Resources Function*)

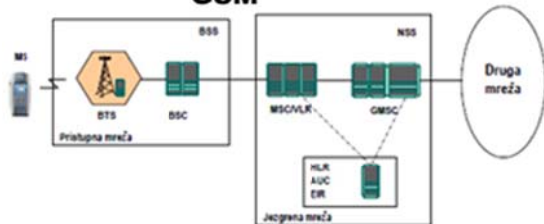
MGW - Medijski pristupnik (*Media Gateway*)

TrGW - *Transition Gateway*

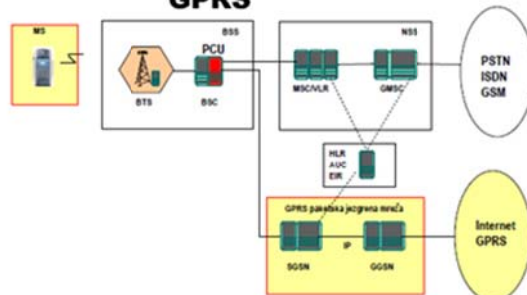
MVNO - *Mobile Virtual Network Operator*

MVNE - *Mobile Virtual Network Enabler*

GSM



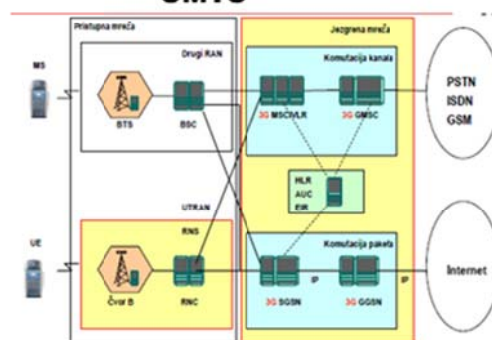
GPRS



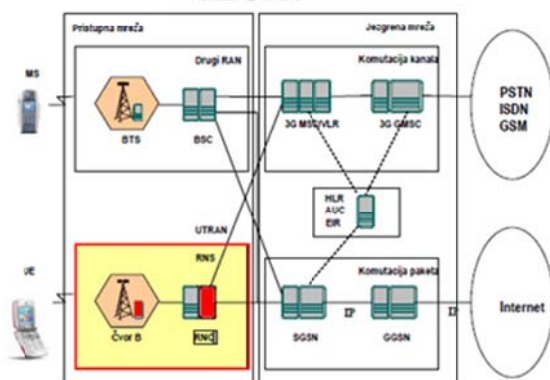
EDGE



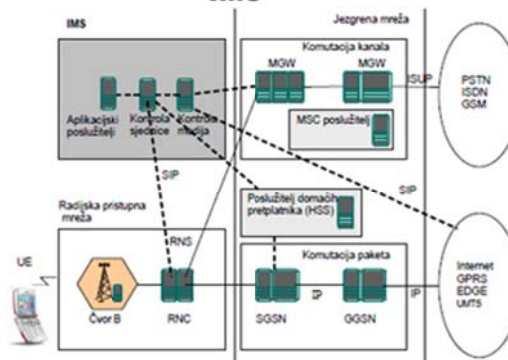
UMTS



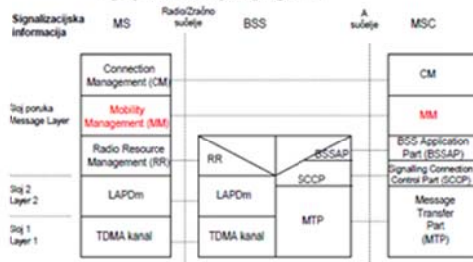
HDSPA



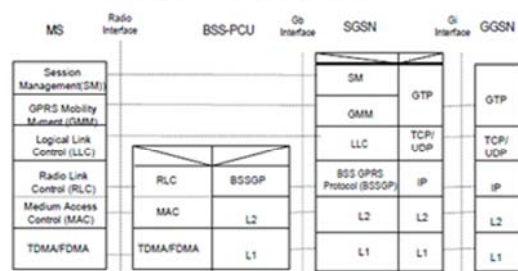
IMS



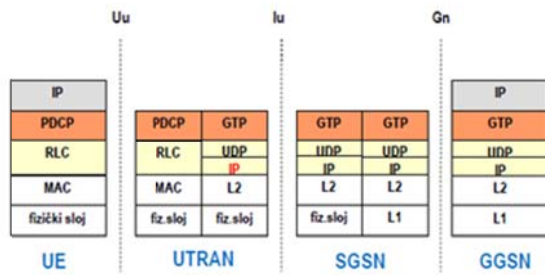
GSM - kontrolni



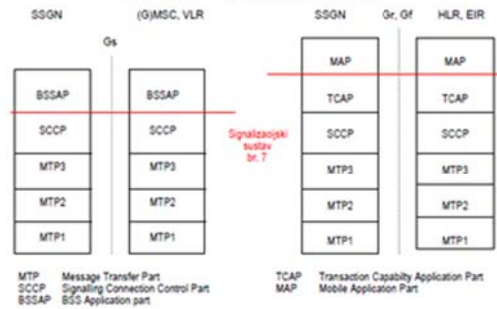
GPRS - kontrolni 1



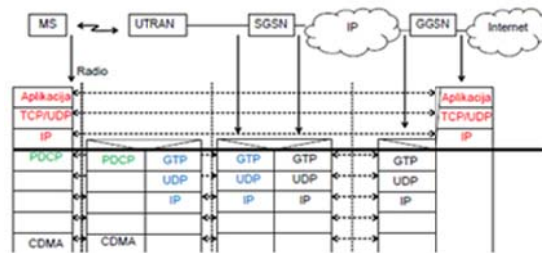
UMTS - korisnički



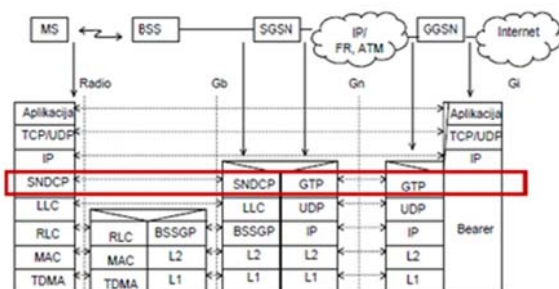
GPRS - kontrolni 2



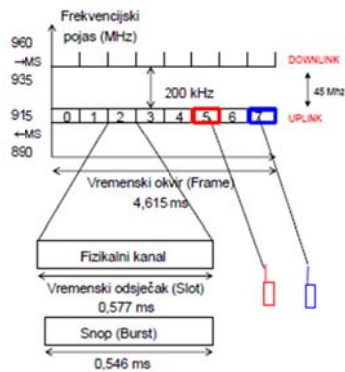
UMTS pristup internetu



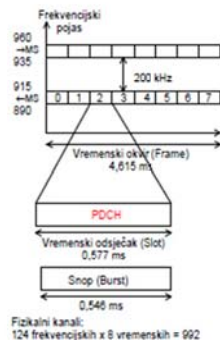
GPRS - korisnički



GSM - fizikalni kanal

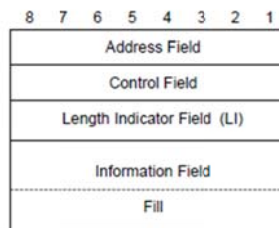


GPRS - fizikalni kanal

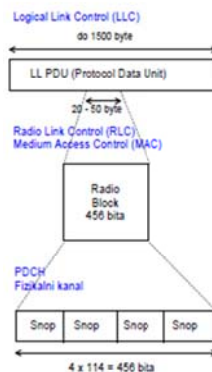


Fizikalni kanal:
124 frekvencijskih x 8 vremenskih = 992

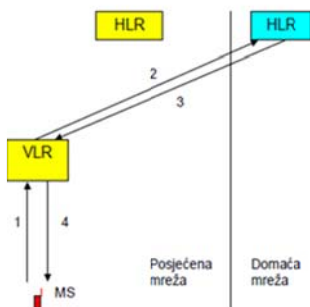
GSM - protokol sloja veze



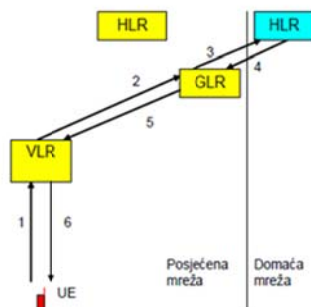
GPRS - kontrola i pristup mediju



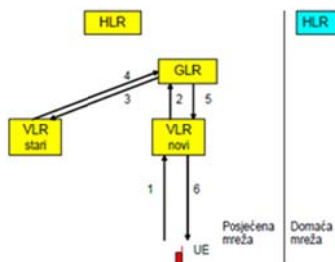
registracija u posjećenju mreži



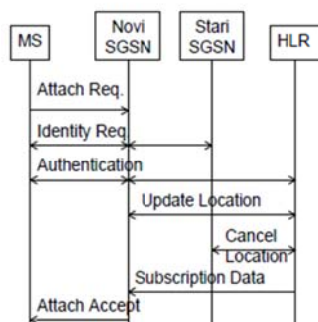
registracija s GLR



promjena lokacije s GLR



Uključivanje MS-a u području SGSN-a



Ažuriranje lokacije kod promjene SGSN-a

