Paging Request Type 1 (Zapocatie pagingu, nastavenie parametrov)
Channel Needed
Channel #1 = (0) Any Channel
Channel #2 = (0) Any Channel
Page Mode
Page Mode = (0) Normal Paging
Mobile Identity
Mobile Identity Length = 5
Odd/Even Indic = (0) Even number of Digits
Type of Identity = (4) TMSI/P-TMSI (**Typ identifikacie je Temporary subscriber identity, teda iba docasna identifikacia)**
Mobile Identity = 929379312

Channel Request
Establishment Cause = Answer to Paging (**Indikuje dovod pre poziadavok zapocatia spojenia)**
Random Reference = 14 (**Location Updating)**

Immediate Assignment (Pridelenie zdrojov)
Channel Description
Channel Type and TDMA offset = (1) SDCCH/8 + SACCH/C8 or CBCH (SDCCH/8)
Sub Channel = 3
Timeslot Number = 0
Training Sequence Code = 5
Hopping Channel = (1) RF Hopping Channel (**Bude sa vykonavat Frequency hopping)**
MAIO = 12 **(Nastavenie Mobile Allocation index offset, při frequency hopping. Kazdy hop je separovany prave hodnotou nastavenou v MAIO)**
HSN = 53 (**Hopping sequence number)**
Request Reference
Random Access Information
Establishment Cause = Answer to Paging (**Odpoved na Paging, ziadal o pridelenie zdrojov)**
Random Reference = 14
T1 = 27
T3 = 28
T2 = 21
Reduced Frame Number = 36187
Timing Advance
Timing advance value = 15 (**Cas za ktory signal dorazi do BS z MS)**
Mobile Allocation
Length Mobile Allocation = 3
MA C #1 = 1 (**Pre každý z nasledujucich kanalov je dany priznak, ci sa pouzije alebo nie. Pouziju sa teda vsetky okrem #6)**
MA C #2 = 1
MA C #3 = 1
MA C #4 = 1
MA C #5 = 1
MA C #6 = 0
MA C #7 = 1
MA C #8 = 1
MA C #9 = 1
MA C #10 = 1
MA C #11 = 1
MA C #12 = 1

Paging Response (Zdroje su pridelene, moze nastat zaciatok autentizacie a sifrovania)
Ciphering Key Sequence Number
Key Sequence = (0) Possible values for the ciphering key
Mobile Station Classmark 2
Mobile Station Length = 3
Revision Level = (2) Used by mobile stations supporting R99 or later versions of the protocol
ES Ind = (1) Controlled Early Classmark Sending" Option Is Implemented In The MS
A5/1 = (1) Encryption Algorithm A5/1 is available **(Vyber sifrovacieho algoritmu A5)**
RF Power Capability = (3) Class 4
PS Capability = (0) PS Capability Not Present
SS Screen Indicator = 1
SM capability = (1) Mobile Station Supports Mobile Terminated Point To Point SMS
VBS = (0) No VBS Capability Or No Notifications Wanted

VGCS = (0) No VGCS Capability Or No Notifications Wanted
FC Frequency Capability = (1) The Ms Does Support The E-GSM or R-GSM
CM3 = (1) The Ms Supports Options That Are Indicated In Classmark 3 IE
LCS VA capability = (1) LCS Value Added Location Request Notification Capability Supported
UCS2 = 0
SoLSA = (0) The ME does not support SoLSA.
CM Service Prompt = (0) Network initiated mo cm connection request not supported.
A5/3 = (0) encryption algorithm A5/3 not available **(A5/3 sifrovaci algoritmus nie je dostupny)**
A5/2 = (1) encryption algorithm A5/2 available **(A5/2 sifrovaci algoritmus je dostupny)**

Mobile Identity **(Opat docasna identifikacia)**
Mobile Identity Length = 5
Odd/Even Indic = (0) Even number of Digits
Type of Identity = (4) TMSI/P-TMSI
Mobile Identity = 929379312

Authentication Request (Poziadavok pre autentizaciu)
Ciphering Key Sequence Number
Key Sequence = (0) Possible values for the ciphering key
Authentication Parameter RAND **(Nahodne vygenerovane cislo pre autentizaciu)**
789E7AC87AC59E168987CD827EF14EE2

Authentication Response
Authentication Parameter SRES **(Toto cislo udava odpoved na autentizaciu od MS)**
AC236497A4

Ciphering Mode Command (Zaciatok sifrovania)
Cipher Response
CR Cipher Response = (0) IMEISV Shall Not Be Included **(International mobile station equipment Software version nebude zahrnuta v sifrovani)**
Cipher Mode Setting
Algorithm Identifier = (0) Cipher With Algorithm A5/1
SC = (1) Start Ciphering **(Flag pre zaciatok sifrovania, algoritmus A5/1 z predchadzajuceho riadku)**

Ciphering Mode Complete (Sifrovanie hotove)

Setup (Preposiela sa na mobil, signalizacia)
Bearer Capability **(Nastavenia kanala)**
Length of the bearer capability = 1
Radio Channel Requirement = (1) Full Rate Support only MS
Coding Standard = (0) GSM Standardized Coding
Transfer mode = (0) Circuit Mode
Information transfer capability = (0) Speech **(Reč)**
Calling Party BCD Number **(Cislo volajuceho)**
Length of BCD number contents = 8
Type of Number = (1) International Number
Numbering Plan Identification = (1) ISDN/Telephony numbering
Ext = 1
Presentation Indicator = (0) Presentation Allowed
Screening Indicator = (3) Network Provided
BCD Number = 420773733844 **(Cislo s prefixom – predvolba CR)**

Call Confirmed (Odpoved na Setup spravu)
Bearer Capability 1
Length of the Bearer Capability = 3
Radio Channel Requirement = (1) Full Rate Support only MS
Coding Standard = (0) GSM standardized coding
Transfer Mode = (0) Circuit mode
Information Transfer Capability = (0) Speech
Coding = (0) Octet used for extension of information transfer capability
CTM = (0) CTM Text Telephony is Not Supported
Speech version indication = (2) GSM Full Rate Speech Version 2
Coding = (0) Octet used for extension of information transfer capability
Speech version indication = (0) GSM Full Rate Speech Version 1
CC Capabilities
Length of Call Control Capabilities = 2
Maximum Number of Supported Bearers = 0

PCP = 0
DTMF = 1
Maximum Number of Speech Bearers = 1

Assignment Command (Pridelenie hlasoveho kanalu)
Channel Description First Channel
Channel Type and TDMA offset = (1) TCH/F + FACCH/F and SACCH/F
Timeslot Number = 3
Training Sequence Code = 5
Hopping Channel = (1) RF Hopping Channel
MAIO = 12
HSN = 53
Power Command
Power Level = 10
Cell Channel Description
Format Bit Map
CA ARFCN = 36 37 38 39 40 44 49 61 62 63 64 65
Mode of the First
Mode = (33) Speech Full Rate Or Half Rate Version 2
Mobile Allocation
Length Mobile Allocation = 3 **(Opat to co predtym, vyuzivaju sa vsetky kanaly okrem 6)**
MA C #1 = 1
MA C #2 = 1
MA C #3 = 1
MA C #4 = 1
MA C #5 = 1
MA C #6 = 0
MA C #7 = 1
MA C #8 = 1
MA C #9 = 1
MA C #10 = 1
MA C #11 = 1
MA C #12 = 1

Assignment Complete (Pridelenie kanalu ukoncene, moze zacat vyzvanat)
RR Cause = (0) Normal Event

Alerting (Vyzvananie)

Connect (Vsetky predchadzajuce kroky dopadli uspesne, posielanie signalizacnej spravy Connect, hovor je zostaveny)
Protocol Discriminator = Call Control; call related SS message
Transaction Identifier
TI flag = The message is sent from the side that originates the TI
TI Value = TI value 3
CC Message Type = 10000111 **(Znaci typ spravy Connect)**

Connect Acknowledge (Odpoved na spravu Connect, hovor moze zacat)

---- Po několika minutách ---- (**Hlasova komunikacia)**

Disconnect (Odpojenie hovoru)
Cause
Length Cause = 2
Ext = 1
Coding Standard = (3) Interworking Unspecified
Location = (0) User
Ext = 1
Cause Value
Class = (1) Normal Event
Value = (0) Normal Call Clearing

Release (Uvolnenie prostriedkov)

Release Complete (Uvolnenie prostriedkov uspesne)

Channel Release (Uvolnenie kanalu)
RR Cause = (0) Normal Event

Prichadzajuci hovor v GSM. Prijemca je mobil. Komunikacia medzi mobile switching center (MSC) a mobilnou stanicou (MS). Paging, autentizacia, sifrovanie, zostavenie hovoru (Setup), a po niekolkych minutach ukoncenie hovoru a uvolnenie prostriedkov.