ETSI TECHNICAL REPORT

ETR 100

October 1993

Source: ETSI TC-SMG

Reference: GSM 01.04

ICS: 33.060.30

Key words: European digital cellular telecommunications system, Global System for Mobile communications (GSM)

European digital cellular telecommunications system (Phase 2); Abbreviations and acronyms (GSM 01.04)

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE
Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

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Foreword

This ETSI Technical Report (ETR) has been produced by the Special Mobile Group (SMG) Technical Committee (TC) of the European Telecommunications Standards Institute (ETSI). This ETR describes the abbreviations and acronyms used within the European Telecommunications Standards (ETS) related to the European digital cellular telecommunications system (phase 2).

This ETR is an informative document resulting from SMG studies which are related to the European digital cellular telecommunications system (phase 2). This ETR is used to publish material which is of an informative nature, relating to the use or the application of ETSs and is not suitable for formal adoption as an ETS.

This ETR corresponds to GSM technical specification, GSM 01.04, Phase 2, version 4.0.2.

The specification from which this ETR has been derived was originally based on CEPT documentation, hence the presentation of this ETR may not be entirely in accordance with the ETSI/PNE rules.

Reference is made within this ETR to GSM Technical Specifications (GSM-TS) (NOTE).

NOTE: TC-SMG has produced documents which give the technical specifications for the implementation of the European digital cellular telecommunications system. Historically, these documents have been identified as GSM Technical Specifications (GSM-TS). These TSs may have subsequently become I-ETSs (Phase 1), or ETSs (Phase 2), whilst others may become ETSI Technical Reports (ETRs). GSM-TSs are, for editorial reasons, still referred to in current GSM ETSs.

Introduction

This ETR consists primarily of those acronyms and abbreviations that are considered essential to the understanding and application of the principles of a GSM PLMN.

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1 Scope

This ETR provides the abbreviations and acronyms to be used throughout the GSM specifications.

All abbreviations are presented in the singular, but are equally applicable to the plural.

2 References

For the purposes of this ETR, the following reference applies.

[1] GSM 08.56 : "European digital cellular telecommunication system (Phase 2); Base Station Controller - Base Transceiver Station (BSC - BTS) interface Layer 2 specification".

3 Abbreviations and acronyms

A

A3	Authentication Algorithm A3
A5/1	Encryption Algorithm A5
A5/2	Encryption Algorithm A5
A8	Algorithm A8
AB	Access Burst
AC	- Access Class (C0 to C15) - Application Context
ACC	Automatic Congestion Control
ACCH	Associated Control Channel
ACK	ACKnowledgement
ACM	Address Complete Message
ACU	Antenna Combining Unit
ADC	- ADministration Centre - Analogue to Digital Converter
ADN	Abbreviated Dialling Number
ADPCM	Adaptive Differential Pulse Code Modulation
AE	Application Entity
AEC	Acoustic Echo Control
AEF	Additional Elementary Functions
AGCH	Access Grant CHannel
Ai	Action indicator
AoCC	Advice of Charge (Charging) supplementary service
AoCI	Advice of Charge (Information) supplementary service
ASE	Application Service Element
ASN.1	Abstract Syntax Notation One
ARFCN	Absolute Radio Frequency Channel Number
ARQ	Automatic Request for Retransmission
ATT (flag)	Attach
AU	Access Unit
AuC	Authentication Centre
AUT(H)	Authentication

B

BA	BCCH Allocation
BAIC	Barring of All Incoming Calls supplementary service
BAOC	Barring of All Outgoing Calls supplementary service
BCC	Base Transceiver Station (BTS) Colour Code
BCCH	Broadcast Control Channel
BCCH_FREQ_NCELL	Frequency of the RF carrier on which the BCCH of a neighbouring cell is transmitted
BCD	Binary Coded Decimal
BCF	Base Station Control function

BCIE	Bearer Capability Information Element
BCU	(See GSM 08.56)
BER	Bit Error Ratio
BFI	Bad Frame Indication
BI	all Barring of Incoming call services
BIC-Roam	Barring of Incoming Calls when Roaming outside the HOME PLMN country supplementary service
Bm	Full-rate traffic channel
BN	Bit Number
BO	all Barring of Outgoing call services
BOIC	Barring of Outgoing International Calls supplementary service
BOIC-exHC	Barring of Outgoing international Calls except those directed to the Home PLMN Country supplementary service
BS	- Basic Service (group) - Bearer Service
BS_AG_BLKS_RES	Number of blocks on each common control channel reserved for access grant messages
BS_BCCH_SDCCH_C0MB	Logical variable that indicates the combination of dedicated and associated control channels on the same physical channel
BS_CC_CHANS	Number of basic physical channels supporting common control channels
BSG	Basic Service Group
BS_G_BLKS_RES	Number of blocks on each common control channel reserved for access grant messages
BS_PA_MFRMS	Number of multiframes between two transmissions of the same paging message to MSs of the same paging group
BSC	Base Station Controller
BSIC	Base Transceiver Station Identity Code
BSIC-NCELL	BSIC of an adjacent cell
BSS	Base Station System
BSSAP	Base Station System Application Part
BSSMAP	Base Station System Management Application Part
BSSOMAP	Base Station Operation and Maintenance Application Part
BTS	Base Transceiver Station

C

C	Conditional
CA	Cell Allocation
CAI	Charge Advice Information
CA_BAND_NUMB	Number of the frequency band that contains the cell allocation
CBC	Cell Broadcast Centre
CBCH	Cell Broadcast CHannel
CC	Country Code
CC	Call Control
CCBS	Completion of Calls to Busy Subscribers supplementary service
CCCH	Common Control CHannel
CCCH_GROUP	Group of MSs in idle mode
CCF	Conditional Call Forwarding
CCH	Control CHannel
CCITT	Comité Consultatif International Telegraphique et Téléphonique
CCPE	Control Channel Protocol Entity
Cct	Circuit
CED	called station identifier
CELL-BAR-ACCESS	Cell Access Barred
CELL_RESELECT_HYSTERESIS	RXLEV Hysteresis required for Cell Reselection
CEPT	Conférence des administrations Européen des Postes et Telecommunications
CFC	Conditional Call Forward
CF	- Conversion Facility - All Call Forwarding services
CFB	Call Forwarding on mobile subscriber Busy supplementary service
CFNRc	Call Forwarding on MS Not Reachable supplementary service
CFNRy	Call Forwarding on No Reply supplementary service

CFU	Call Forwarding Unconditional supplementary service
CHV	Card Holder Verification
CI	- Cell Identity - CUG Index
CIR	Channel Interference Ratio
CKSN	Ciphering Key Sequence Number
CLI	Calling Line Identity
CLIP	Calling Line Identification Presentation supplementary service
CLIR	Calling Line Identification Restriction supplementary service
CM	Connection Management
CMD	Command
CMM	Channel Mode Modify
CNG	calling tone
COLI	Connect Line Identity
CoLP	Connected Line Identification Presentation supplementary service
CoLR	Connected Line identification Restriction supplementary service
COM	Complete
CONNACK	CONNect ACKnowledgement
C/R	Command/Response field bit
CRC	Cyclic Redundancy Check (3 bit)
CRE	Call RE-establishment procedure
CSPDN	Circuit Switched Public Data Network
CT	Channel Tester
CUG	Closed User Group supplementary service
CW	Call Waiting supplementary service

D

DAC	Digital to Analogue Converter
DB	Dummy Burst
DCCH	Dedicated Control Channel
DCE	Data Circuit terminating Equipment
DCF	Data Communication Function
DCN	Data Communication Network
DET	Detach
DISC	DISConnect
DL	Data Link (layer)
DLCI	Data Link Connection Identifier
DLD	Data Link Discriminator
Dm	Control Channel (ISDN terminology applied to mobile service)
DMR	Digital Mobile Radio
DNIC	Data Network Identifier
DP	Dial/Dialled Pulse
DRX	Discontinuous Reception (Mechanism)
DSE	Data Switching Exchange
DSI	Digital Speech Interpolation
DSS1	Digital Subscriber Signalling No1
DTAP	Direct Transfer Application Part
DTE	Data Terminal Equipment
DTMF	Dual Tone Multi-Frequency (signalling)
DTX	Discontinuous Transmission (Mechanism)

E

EA	External Alarms
EBSG	Elementary Basic Service Group
ECM	Error Correction Mode (facsimile)
Ec/No	Ratio of energy per modulating bit to the noise spectral density
ECT	Explicit Call Transfer supplementary service
EEL	Electric Echo Loss
EIR	Equipment Identity Register
EL	Echo Loss

EMMI	Electrical Man Machine Interface
ERP	Ear Reference Point
ERR	ERRor
ETR	ETSI Technical Report
ETS	European Telecommunication Standard
ETSI	European Telecommunications Standards Institute

F

FA	- Full Allocation - Fax Adaptor
FAC	Final Assembly Code
FACCH	Fast ACCH
FACCH/F	Full rate Fast Associated Control Channel
FACCH/H	Half rate Fast Associated Control Channel
FB	Frequency correction Burst
FCCH	Frequency Correction CHannel
FCS	Frame Check Sequence
FDM	Frequency Division Multiplex
FEC	Forward Error Correction
FER	Frame Erasure Ratio
FH	Frequency Hopping
FN	Frame Number
FR	Full Rate
ftn	forwarded-to number

G

GMSC	Gateway Mobile services Switching Centre
GMSK	Gaussian Minimum Shift Keying (modulation)
GPA	GSM PLMN Area
GSA	GSM System Area
GSM	Global System for Mobile communication
GSM MS	GSM Mobile Station
GSM PLMN	GSM Public Land Mobile Network
GT	Global Title

H

HANDO	Handover
HDLC	High Level Data Link Control
HLC	High Layer Compatibility
HLR	Home Location Register
HO_MARGIN	SDL Message name for Handover Margin
HOLD	Call Hold supplementary service
HPLMN	Home PLMN
HPU	Hand Portable Unit
HR	Half Rate
HSN	Hopping Sequence Number

I

I	Information (frames)
IA	Incoming Access (closed user group SS)
IAM	Initial Address Message
IC	Interlock Code (CUG SS)
ICB	Incoming Calls Barred
IC(pref)	Interlock Code of the preferential CUG
ICM	In-Call Modification
ID	Identification/Identity
IDN	Integrated Digital Network

IE	Signalling Information Element
IEI	Information Element Identifier
IMEI	International Mobile station Equipment Identity
IMSI	International Mobile Subscriber Identity
IN	Interrogating Node
ISC	International Switching Centre
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part (of signalling system No.7)
ITC	Information Transfer Capability
IWF	InterWorking Function
IWMSC	InterWorking MSC
IWU	InterWorking Unit

K

K	Constraint Length of the Convolutional Code
Kc	Ciphering Key
Ki	Individual subscriber authentication key

L

L1	Layer 1
L2ML	Layer 2 Management Link
L2R	Layer 2 Relay
L2R BOP	L2R Bit Orientated Protocol
L2R COP	L2R Character Orientated Protocol
L3	Layer 3
LA	Location Area
LAC	Location Area Code
LAI	Location Area Identity
LAN	Local Area Network
LAPB	Link Access Protocol Balanced
LAPDm	Link Access Protocol on the Dm channel
LCN	Local Communication Network
LE	Local Exchange
LI	- Length Indicator - Line Identity
LLc	Low Layer Compatibility
Lm	Traffic channel with capacity lower than Bm
LMSI	Local Mobile Station Identity
LPLMN	Local PLMN
LR	Location Register
LSTR	Listener Sidetone Rating
LTE	Local Terminal Emulator
LV	Length and Value

M

MA	Mobile Allocation
MACN	Mobile Allocation Channel Number
MAF	Mobile Additional Function
MAH	Mobile Access Hunting supplementary service
MAI	Mobile Allocation Index
MAIO	Mobile Allocation Index Offset
MAP	Mobile Application Part
MCC	Mobile Country Code
MCI	Malicious Call Identification supplementary service
MD	Mediation Device
MDL	(mobile) Management (entity) - Data Link (layer)
ME	- Maintenance Entity - Mobile Equipment

MEF	Maintenance Entity Function
MF	MultiFrame
MHS	Message Handling System
MIC	Mobile Interface Controller
MM	- Man Machine - Mobility Management
MME	Mobile Management Entity
MMI	Man Machine Interface
MNC	Mobile Network Code
MO	Mobile Originated
MoU	Memorandum of Understanding
MPH	(mobile) Management (entity) - PHysical (layer) [primitive]
MPTY	MultiParTY supplementary service
MRP	Mouth Reference Point
MS	Mobile Station
MS_PWR_CLASS	MS PoWeR Class. Parameter defining the power class of an MS expressed in the same way as the R parameters
MS_RANGE_MAX	Mobile Station Range Maximum. Handover criterion to determine serving cell
MS_RXLEV_L	Lower Receive Level. Threshold of RXLEV received from the serving BS below which either power control or handover must take place to improve the cell quality
MS_TXPWR_CONF MS	Transmitted RF Power Confirmation. Parameter sent by the MS to indicate its current transmitted RF power level
MS_TXPWR_MAX_CCH	Maximum Allowed Transmitted RF Power for MSs to Access the System until commanded otherwise
MS_TXPWR_REQUEST	MS Transmitted RF Power Request. Parameter sent by the BSS that commands the required MS RF Power Level
MSC	Mobile-services Switching Centre, Mobile Switching Centre
MSCM	Mobile Station Class Mark
MSCU	Mobile Station Control Unit
MSISDN	Mobile Station ISDN Number
MSRN	Mobile Station Roaming Number
MT	- Mobile Terminated
MT (0,1,2)	- Mobile Termination
MTM	Mobile-To-Mobile (call)
MTP	Message Transfer Part
MUMS	Multi User Mobile Station

N

N/W	Network
NB	Normal Burst
NBIN	A parameter in the hopping sequence
NCC	Network (PLMN) Colour Code
NCELL	Neighbouring (or current serving) Cell
NDC	National Destination Code
NDUB	Network Determined User Busy
NE	Network Element
NEF	Network Element Function
NET	Norme Europeenne de Télécommunications
NF	Network Function
NIC	Network Independent Clocking
NM	Network Management
NMC	Network Management Centre
NMSI	National Mobile Station Identification number
NPI	Number Plan Indentifier
NSAP	Network Service Access Point
NT	- Network Termination - Non Transparent
NUA	Network User Access
NUI	Network User Identification
NUP	National User Part (of signalling system No7)

O

O	Optional
OA	Outgoing Access (CUG SS)
O&M	Operations & Maintenance
OACSU	Off-Air-Call-Set-Up
OCB	Outgoing Calls Barred within the CUG
OD	Optional for operators to implement for their aim
OLR	Overall Loudness Rating
OMC	Operations & Maintenance Centre
OML	Operations and Maintenance Link
OS	Operating System
OSI	Open System Interconnection
OSI RM	OSI Reference Model

P

PABX	Private Automatic Branch eXchange
PAD	Packet Assembly/Disassembly facility
PAGING_GROUP	The set of MSs monitoring a particular paging block
PCH	Paging CHannel
PCM	Pulse Code Modulation
PD	- Protocol Discriminator - Public Data
PDN	Public Data Networks)
PH	- Packet Handler - PHysical (layer)
PHI	Packet Handler Interface
PI	Presentation Indicator
PIN	Personal Identification Number
PLMN_PERMITTED	PLMN Permitted for handover purposes
PLMN	Public Land Mobile Network
PNE	Présentation des Normes Européennes
POI	Point Of Interconnection (with PSTN)
PP	Point-to-Point
PPE	Primative Procedure Entity
Pref CUG	Preferential CUG
Ps	Location Probability
PSPDN	Packet Switched Public Data Network
PSTN	Public Switched Telephone Network
PW	Pass Word

Q

QA	Q (Interface) - Adapter
QAF	Q - Adapter Function
QOS	Quality Of Service

R

[R	Value of Reduction of the MS Transmitted RF Power relative to the maximum allowed output power of the highest power class of MS (A)]
RA	RAndom mode request information field
RAB	Random Access Burst
RACH	Random Access CHannel
RADIO_LINK_TIMEOUT	The timeout period for radio link failure. Maximum value of the radio link timer
RADIO_LINK_TIMER	Parameter which is incremented or decremented according to the success with which SACCH messages are decoded

RAND	RANDom Number (used for authentication)
RBER	Residual Bit Error Ratio
REC	RECommendation
REJ	Reject(ion)
REL	RELease
REQ	REQuest
RESELECT_INTERVAL_MIN	Minimum time between cell reselections
RFC	Radio Frequency Channel
RFCH	Radio Frequency CHannel
RFN	Reduced TDMA Frame Number
RLP	Radio Link Protocol
RLR	Receiver Loudness Rating
RMS	Root Mean Square (value)
RNTABLE	Table of 128 integers in the hopping sequence
RPOA	Recognised Private Operating Agency
RR	Radio Resource
RSE	Radio System Entity
RSL	Radio Signalling Link
RTE	Remote Terminal Emulator
RXLEV	Received Signal Level
RXLEV_ACCESS_MIN	The minimum received signal level at a MS for access to a cell
RXLEV_MIN	The minimum received signal level at a MS from a neighbouring cell for handover to be permitted
RXLEV_NCELL	Received signal level of neighbouring or current serving cell measured on the BCCH carrier
RXLEV_SERVING_CELL	Received signal level in the serving cell measured on the BCCH carrier
RXQUAL	Received Signal Quality
RXQUAL_FULL	Received signal quality assessed over the full set of TDMA frames within a SACCH block
RXQUAL_SERVING_CELL	Received signal quality of serving cell
RXQUAL_SUB	Received signal quality assessed over a subset of 12 TDMA frames

S

S/W	SoftWare
SABM	Set Asynchronous Balanced Mode
SACCH	Slow Associated Control CHannel
SACCH/C4	Slow, SDCCH/4 Associated, Control CHannel
SACCH/C8	Slow, SDCCH/8 Associated, Control CHannel
SACCH/T	Slow, TCH-Associated, Control CHannel
SACCH/TF	Slow, TCH/F-Associated, Control CHannel
SACCH/TH	Slow, TCH/H-associated, Control CHannel
SAP	Service Access Point
SAPI	Service Access Point Indicator
SB	Synchronization Burst
SC	- Service Centre (used for SMS) - Service Code
SCCP	Signalling Connection Control Part
SCH	Synchronization CHannel
SCN	Sub-Channel Number
SDCCH	Stand-alone Dedicated Control CHannel
SDCCH/4	Stand-alone Dedicated Control CHannel/4
SDCCH/8	Stand-alone Dedicated Control CHannel/8
SDL	Specification Description Language
SDU	Service Data Unit
SE	Support Entity
SEF	Support Entity Function
SFH	Slow Frequency Hopping
SI	- Screening Indicator - Service Interworking - Supplementary Information (SIA Supplemenatary Information A)
SID	SIlence Descriptor
SIM	Subscriber Identity Module

SLR	Send Loudness Rating
SLTM	Signalling Link Test Message
SME	Short Message Entity
SMS	Short Message Service
SMSCB	Short Message Service Cell Broadcast
SMS-SC	Short Message Service - Service Centre
SMS/PP	Short Message Service/Point-to-Point
Smt	Short message terminal
SN	Subscriber Number
SNR	Serial NumbeR
SOA	Suppress Outgoing Access
SP	- Service Provider - Signalling Point - Spare
SPC	Signalling Point Code
SPC	Suppress Preferential (CUG)
SRES	Signed RESponse (authentication)
SS	- Supplementary Service - System Simulator
SSC	Supplementary Service Control string
SSN	Sub-System Number
SS7/SS#7	Signalling System No 7
STMR	Sidetone Masking Rating
STP	Signalling Transfer Point

T

T	- Timer - Transparent - Type only
TA	Terminal Adaptor
TAC	Type Approval Code
TAF	Terminal Adaptation Function
TC	Transaction Capabilities
TCH	Traffic CHannel
TCH/F	A Full rate TCH
TCH/F2.4	A Full rate data TCH (<2.4kbit/s)
TCH/F4.8	A Full rate date TCH (4.8kbit/s)
TCH/F9.6	A Full rate data TCH (9.6kbit/s)
TCH/FS	A Full rate Speech TCH
TCH/H	A Half rate TCH
TCH/H2.4	A Half rate data TCH (2.4kbit/s)
TCH/H4.8	A Half rate data TCH (4.8kbit/s)
TCH/HS	A Half rate Speech TCH
TCI	Transceiver Control Interface
TDMA	Time Division Multiple Access
TE	Terminal Equipment
Tei	Terminal endpoint identifier
TFA	Transfer Allowed
TFP	Transfer Prohibited
TI	Transaction Identifier
TLV	Type, Length and Value
TMN	Telecommunications Management Network
TMSI	Temporary Mobile Subscriber Identity
TN	Timeslot Number
TON	Type Of Number
TRX	Transceiver
TS	- Time Slot - Technical Specification (see ETS) - Teleservice
TSC	Training Sequence Code
TSDI	Transceiver Speech & Data Interface
TUP	Telephone User Part (of signalling system No7)

TV	Type and Value
TXPWR	Transmit power; Tx power level in the MS_TXPWR_REQUEST and MS_TXPWR_CONF parameters

U

UDI	Unrestricted Digital Information
UDUB	User Determined User Busy
UI	Unnumbered Information (Frame)
UPCMI	Uniform PCM Interface (13-bit)
UPD	Up to Date
USSD	Unstructured SS Data
UUS	User-to-User Signalling supplementary service

V

V	Value only
VAD	Voice Activity Detection
VAP	Videotex Access Point
VLR	Visitor Location Register
VMSC	Visited MSC, (recommendation not to be used)
VPLMN	Visited PLMN
VSC	Videotex Service Centre
V(SD)	SenD state Variable
VTX host	The components dedicated to Videotex service

W

WS	Work Station
WPA	Wrong Password Attempts (counter)

X

XID	eXchange IDentifier

History

Document history	
October 1993	First Edition
April 1996	Converted into Adobe Acrobat Portable Document Format (PDF)