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European Standard (Telecommunications series)

Digital cellular telecommunications system (Phase 2+); Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access (GSM 13.67 version 5.0.2 Release 1996)



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Foreword

This European Standard (Telecommunications series) has been produced by the Special Mobile Group (SMG).

The present document covers the requirements for GSM terminal equipment capable of operating in the frequency bands allocated for use by private networks of the European railways (876-880 MHz and 921-925 MHz), hereafter designated R-GSM terminals.

The present document contains the procedures and requirements for the approval testing of R-GSM terminals.

The requirements of TBR-19, Access apply in addition to the present document, for R-GSM terminals.

Equipments complying with these standards will carry the presumption of conformity with the essential requirements referred to in Article 5 of the Directive 98/13 EC of the European Parliament and of the Council.

For each test, supplementary information is provided, giving a justification why this item has been selected for regulatory testing, and a reference to the relevant article of the Terminal Directive [1].

The present document is based on EN 300 607-1 (GSM 11.10-) [2].

The contents of the present document may be subject to continuing work within SMG and may change following formal SMG approval. Should SMG modify the contents of the present document it will then be re-submitted for formal approval procedures by ETSI with an identifying change of release date and an increase in version number as follows:

Version 5.x.y

where:

- 5 GSM Phase 2+ Release 1996
- x the second digit is incremented for changes of substance, i.e. technical enhancements, corrections, updates, etc.;
- y the third digit is incremented when editorial only changes have been incorporated in the specification.

National transposition dates			
Date of adoption of this EN:	12 November 1999		
Date of latest announcement of this EN (doa):	29 February 2000		
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 August 2000		
Date of withdrawal of any conflicting National Standard (dow):	31 August 2000		

1 Scope

The present document specifies the technical requirements to be met by GSM terminal equipment capable of operating in the frequency bands allocated for use by private networks of the European Railways (876 - 880 MHz and 921 - 925 MHz). The present document applies to R-GSM terminals for Phase 2+ of the public land mobile radio service, operating in the European Railways R-band frequency in addition to the 900 MHz GSM band with a channel separation of 200 kHz, utilising constant envelope modulation and carrying traffic channels according to the Time Division Multiple Access (TDMA) principle.

The present document specifies the R-GSM terminal requirements for the European Railways version of the Global System for Mobile communications (GSM).

For each test purpose and its corresponding conformance requirement, a reference is given to the test method in EN 300 607-1 (GSM 11.10-1) [2]. The requirements apply at the air interface and the Subscriber Identity Module - Mobile Equipment interface for the access requirements, which may be stimulated to perform the tests by additional equipment if necessary.

The measurement uncertainty is described in EN 300 607-1 (GSM 11.10-1) [2].

The present document covers the telecommunication terminal equipment (TTE) essential requirements of the Terminal Directive 98/13/EC [1] Articles 5d, 5e, 5f.

The Terminal Directive 98/13/EC [1] Articles 5a and 5b are covered by other directives, and, therefore, not by the present document.

In the present document, there are no Electromagnetic Compatibility technical requirements in terms of the Terminal Directive 98/13/EC [1], Article 5c.

NOTE 1: Technical Requirements for EMC performance and testing of the equipment are covered by the relevant standards applicable to the EMC Directive 89/336/EEC, annex A.

The present document specifies the R-GSM terminals additional requirements, which will apply in addition to the Harmonised Standards covering the operation of these terminals in the frequency bands allocated for public GSM networks.

EN 300 607-1 (GSM 11.10-1) [2] constitutes the conformance test suite for GSM. The verification of the conformance requirements in the present document is based on the tests described in this reference. The set of requirements in EN 300 607-1 (GSM 11.10-1) [2] and the set of requirements in the present document need not be identical.

All the requirements in the present document are specific to mobile stations supporting R-GSM.

An active accessory is covered by the present document if it modifies the terminal performance in an aspect which affects conformance to essential requirements.

NOTE 2: Only active devices are subject to the present document. Accessories may be tested with specific terminals, and either approved for use with those terminals only, or may possibly be approved for use with a wider range of terminals, depending on the nature and effect of the accessory.

For each test, supplementary information is provided, giving a justification why this item has been selected for regulatory testing, and a reference to the relevant article of the Terminal Directive [1].

The present document is based on EN 300 607-1 (GSM 11.10-1) [2].

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2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.
- For this Release 1996 document, references to GSM documents are for Release 1996 versions (version 5.x.y).

[1]	Directive 98/13/EC of the European Parliament and of the Council of 12 February 1998 relating to telecommunications terminal equipment and satellite earth station equipment, including the mutual recognition of their conformity.
[2]	EN 300 607-1 (GSM 11.10-1): "Digital cellular telecommunications system (Phase 2+); Mobile station conformity specifications".
[3]	TBR 19: "European digital cellular telecommunications system; Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access".
[4]	GSM 01.04 (ETR 350): "Digital cellular telecommunication system (Phase 2+); Abbreviations and acronyms"
[5]	TBR 20: "European digital cellular telecommunications system (Phase 2; Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Telephony".

3 Abbreviations

For the purposes of the present document, the following additional abbreviations apply:

R-GSM	Railways Global System for Mobile communications
ASCI	Advanced Speech Call Items
VBS	Voice Broadcast Service
VGCS	Voice Group Call Service
eMLPP	enhanced Multi-Level Precedence and Pre-emption service
MO	Mobile Originated
MT	Mobile Terminated
MT	6

Additional GSM related abbreviations can be found in GSM 01.04 (ETR 350) [4].

4 General requirements

R-GSM Band terminals shall conform to:

- a) the requirements of the GSM 900 requirements of TBR19; and
- b) the requirements of clause 5 of the present document; and
- c) the requirements in Annex A of the present document; and
- d) if the terminal implements speech services, the requirements of TBR 20.

5 Requirements

The following table contains all requirements that are needed to meet the essential requirements as defined in the Terminal Directive [1]. A justification according to article 5 of the Terminal Directive is given by stating the relevant categories (d to f) together with a text supporting the justification.

The entries are defined as follows:

- "EN 300 607-1 Item" defines the item number of the conformance requirement and also the reference to EN 300 607-1 (GSM 11.10-1) [2]. This reference is a normative reference to a subclause of EN 300 607-1 (GSM 11.10-1) [2] containing the conformance requirement text, and references to the base standard.
- "Description" contains a short description of the requirement.
- "Justification" contains supplementary information to explain the justification of the requirement according to article 5 of the Terminal Directive [1].
- "TD Cat" defines the category according to article 5 of the Terminal Directive [1].
- "Test Cat" defines whether the requirement is covered by a "special test situation" (e.g. a manufacturer's declaration of some form). An "X" indicates a special test situation, whilst, a blank entry indicates conformity is by the test referred to by the present document.

EN 300 607-1 Item	Description	Justification	TD Cat	Test Cat
12.3.1	for MS supporting the R-GSM frequency band/ MS allocated a channel	Non compliance in this area may cause interference to other spectrum users.	e	
12.3.2	for MS supporting the R-GSM frequency band/ MS in idle mode	Non compliance in this area may cause interference to other spectrum users.	е	
12.4.1	Radiated spurious emissions for MS supporting the R-GSM frequency band/ MS allocated a channel	Non compliance in this area may cause interference to other spectrum users.	е	
12.4.2	Radiated spurious emissions for MS supporting the R-GSM frequency band/ MS in idle mode	Non compliance in this area may cause interference to other spectrum users.	е	
13.9	Transmitter - Output RF spectrum for MS supporting the R-GSM band.	Non compliance in this area may cause interference to other spectrum users.	е	
14.2.9	Reference sensitivity - TCH/FS for MS supporting the R-GSM band	Non compliance in this area may degrade speech quality and may impair call maintenance.	f	
14.7.3	Blocking and spurious response - speech channels for MS supporting the R-GSM band	Non compliance in this area may degrade speech quality and may impair call maintenance.	e	
14.7.4	Blocking and spurious response - control channels for MS supporting the R-GSM band	Non Compliance in this area may impair establishment and the maintaining of the call.	f	Х
20.21.1	R-GSM cell selection	An MS which does not select the correct cell at switch on, may not camp onto the optimum cell for establishing a connection with the network, or may not offer service at all.	e, f	
20.21.2	R-GSM cell selection with varying signal strength values	An MS which incorrectly averages signal strength values during cell selection, may not camp onto the optimum cell for establishing a connection with the network.	e, f	
20.21.3	R-GSM basic cell reselection	An MS which reselects cells incorrectly, may not camp onto the optimum cell for establishing a connection with the network.	d, e, f	
20.21.4	R-GSM cell reselection using TEMPORARY_OFFSET, CELL_RESELECT_OFFSET, POWER_OFFSET and PENALTY_TIME parameters	An MS which reselects cells incorrectly, may not camp onto the optimum cell for establishing a connection with the network.	d, e, f	
20.21.5	R-GSM cell reselection using parameters transmitted in the System Information type 2bis, type 7 and type 8 messages	An MS which reselects incorrectly, may not camp onto the optimum cell for establishing a connection with the network.	d, e, f	
20.21.6	R-GSM cell reselection timing	An MS which reselects cells incorrectly, may not camp onto the optimum cell for establishing a connection with the network.	d, e, f	

EN 300 607-1 Item	Description	Justification	TD Cat	Test Cat
20.21.7	R-GSM priority of cells	An MS which reselects cells incorrectly, may not camp onto the optimum cell for establishing a connection with the network. Too frequent reselections may cause increased network signalling load at LA boundaries, or missed paging	d, e, f	
20.21.8	R-GSM cell reselection when C1 (serving cell) < 0 for 5 seconds.	messages. An MS that selects a cell of incorrect priority or incorrectly uses the cell selection parameters, may not camp onto the optimum cell for establishing a connection with the network.	d, e, f	
20.21.9	R-GSM running average of the surrounding cell BCCH carrier signal levels.		d, e, f	
20.21.10	R-GSM running average of the serving cell BCCH carrier signal level	An MS which incorrectly averages signal levels may not camp onto the optimum cell for establishing a connection with the network, Too frequent reselections may cause increased network signalling load at LA boundaries, or missed paging messages.	d, e, f	
20.21.11	R-GSM updating the list of six strongest neighbour carriers and decoding the BCCH information of a new carrier on the list	An MS which incorrectly averages signal levels may not camp onto the optimum cell for establishing a connection with the network, Too frequent reselections may cause increased network signalling load at LA boundaries, or missed paging messages.	d, e, f	
20.21.12	R-GSM decoding the BCCH information of the neighbouring carriers on the list of six strongest neighbour carriers		d, e, f	
20.21.13	R-GSM decoding the BSIC of the neighbour carriers on the list of six strongest neighbour carriers	An MS that fails to decode the BSICs of surrounding cells correctly, may not reselect the optimum cell for establishing a connection with the network. This may cause increased network signalling load at LA boundaries.	d, e, f	
20.21.14	R-GSM emergency calls	An MS that fails to work correctly in the limited service state may not be able to establish a connection for an emergency call. It may also attempt to establish a connection with a network that is not permitted.	d, f	

EN 300 607-1 Item	Description	Justification	TD Cat	Test Cat
20.21.15	R-GSM cell reselection due to MS rejection "LA not allowed"	An MS which fails to reselect correctly when rejected with the cause "LA not allowed" may attempt to establish a connection on a cell which is not allowed, or not the optimum cell, causing increased interference in the network.	d, e, f	
20.21.16	R-GSM downlink signalling failure	An MS which fails to reselect correctly in conjunction with the DSC counter, may not select the optimum cell for establishing a connection with the network, or may not offer service at all.	d, e, f	
20.21.17	R-GSM cell selection if no suitable cell found in 10 s	An MS which is unable to reselect a suitable cell and does not perform a cell selection, may not offer service when cells suitable for establishing a connection with the network are available.	f	
20.21.18			d, e, f	X
20.21.19	R-GSM cell selection on release of SDCCH and TCH	If wrongly implemented, paging messages may be missed on release of the TCH or SDCCH.	f	
26.10.2.1			f	
26.10.2.2	E GSM or R -GSM signalling / RR / Immediate assignment.	If the procedure is not correctly implemented by the MS, the allocated resources at the relevant frequency band may be wasted, the MS may use wrong channels or connection could not be established.	d, e, f	
26.10.2.3 E-GSM or R -GSM signalling / RR / channel assignment procedure. If the procedure is not correctly implemented by the MS, the allocated resources at the relevant frequency band may be wasted, the MS may use wrong channels or connection could not be established.		d, e, f		
26.10.2.4.1	E-GSM or R -GSM signalling / RR / Handover / Successful handover.	If the procedure is not correctly implemented by the MS, the allocated resources at the relevant frequency band may be wasted, the MS may use wrong channels or connection could not be established.	d, e, f	
26.10.2.4.2	E-GSM or R -GSM signalling / RR / Handover / layer 1 failure.	If the procedure is not correctly implemented by the MS, the allocated resources at the relevant frequency band may be wasted, the MS may use wrong channels or connection could not be established.	d, e, f	

EN 300 607-1 Item	Description	Justification	TD Cat	Test Cat
26.10.2.5	26.10.2.5 E-GSM or R -GSM signalling / If the MS does not correctly implement the frequency redefinition, it could not interwork with the network at the relevant frequency band and the MS might also use the wrong frequencies.		d, f	
26.10.3.1	Structured procedure / Mobile	If the procedure is not correctly implemented by the MS, the R-GSM MS may not be able to pass a normal call on a R-GSM channel.	f	
Structured procedure / Emergency call		If the procedure is not correctly implemented by the MS, the R-GSM MS may not be able to pass an emergency call on R-GSM channel.	f	

Annex A (normative): The Requirement Table (RT)

A.1 Introduction to the RT

This annex provides a summary of all the requirements of the present document. It shows the status of each EN-Requirement (EN-R), whether it is essential to implement in all circumstances, or whether the requirement is dependent on the manufacturer having chosen to support a particular optional service or functionality. In particular it enables the EN-Rs associated with a particular optional service or functionality to be grouped and identified.

The static requirements proform provides the means to capture the choices which the manufacturer has made in implementing the equipment.

The dynamic requirements proforma indicates the choices for which conformance is claimed for.

When completed in respect of a particular equipment the tables provide a means to undertake the static assessment of conformity with the standard, and to select the appropriate test cases to be used in dynamically testing the equipment.

References to items

For each possible item answer (answer in the support column) within the static requirements tables there exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character (/), followed by the item number in the table. If there is more than one support column in a table, the columns shall be discriminated by letters (a, b, etc.), respectively.

EXAMPLE 1: A.1/8 is the reference to the answer of item 8 in table A.1.

EXAMPLE 2: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in table A.6.

Prerequisite line

A prerequisite line takes the form: Prerequisite: <predicate>.

A prerequisite line after a clause or table title indicates that the whole clause or the whole table is not required to be completed if the predicate is FALSE.

A.2 Format of the tables

The entries of the static requirement tables are defined as follows:

- In the "Item" column a local entry number for the requirement in the RT is given.
- In the "Description" column a short non-exhaustive description of the requirement is found.
- The "Ref." column references the corresponding clause of base standard or EN 300 607-1 (GSM 11.10-1) [2].
- In the "Status" column the status of the entry, as further detailed in the following clause, is indicated.
- The "Support" column is blank in the proforma, and shall be completed by the manufacturer in respect of each particular requirement to indicate the choices, which have been made in the implementation.
- The "Values allowed" column contains the values or the ranges of values allowed.
- The "Values supported" column shall be filled in by the supplier of the implementation. In this column, the values or the ranges of values supported by the implementation shall be indicated.
- The "Mnemonic" assigns a symbolic name to the static requirement.

The entries of the dynamic requirement tables are defined as follows:

- "EN 300 607-1 Item" defines the item number of the conformance requirement and also the reference to EN 300 607-1 (GSM 11.10-1) [2]. This reference is a normative reference to a section of EN 300 607-1 (GSM 11.10-1) [2] containing the conformance requirement text, and references to the base standard.
- In the "Description" column a short non-exhaustive description of the requirement is found.
- The "TD Cat" column the class of essential requirements is indicated. Essential requirements are classified according to article 5 of the EC Council Directive, 98/13/EC. Valid entries used in this RT are d, e and f, corresponding to respectively "protection of public networks", "effective use of frequency" and "interworking with public networks".
- In the "Status" column the status of the entry, as further detailed in the following clause, is indicated.
- The "Support" column is blank in the proforma, and shall be completed by the manufacturer in respect of each particular requirement to indicate the choices, for which conformance is claimed for.

A.3 References to EN 300 607-1 (GSM 11.10-1)

The reference number in column "EN 300 607-1 Item" references subclauses in EN 300 607-1 (GSM 11.10-1) [2].

A.4 Notations used in the RT

A.4.1 Status Notations

The "Status" column shows the status of the entries as follows:

М	Mandatory, shall be implemented under all circumstances.
0	Optional, may be provided, but if provided shall be implemented in accordance with the requirements.
0. <n></n>	This status is used for mutually exclusive or selectable options among a set, in cases where it is mandatory to implement one or more options among a set. The integer <n> refers to a unique group of options within the RT. A footnote under the table in which it is used states explicitly what the requirement is for each numbered group.</n>
C <n></n>	Conditional number <n>. Reference is made to a Boolean expression under the table with predicates of support answers, which will resolve to either "M", "X", "N", or "O.<n>" for a specific implementation. In all cases "ELSE Not Applicable" is implied, if an ELSE expression is omitted.</n></n>
N/A	Not applicable.
Х	Excluded or Prohibited.

A.4.2 Support Answer Notations

The "support" column is reserved for completion in respect of a particular implementation. Entries may be:

- Yes (or Y or y) Indicating that the implementation claims to fully implement the EN-R in accordance with the specification. The entry of a "Yes" against an "X" status entry means the equipment does not conform to the standard.
- No (or N or n) Indicating that the implementation does not claim full support of the EN-R in accordance with the specification. The entry "No" against an "M" status entry means the equipment does not conform to the standard.

A.5 The Requirement Tables

A.5.1 Static Requirements, RT A

A.5.1.1 Types of Mobile Stations

The supplier of the implementation shall state the support of the implementation for each of the questions concerning the types of a mobile station given in the tables below:

Table A.1: Types of GSM 900 Mobile Stations

ltem	Type of Mobile Station	Ref.	Status	Support	Mnemonic
9	R-GSM Band (including	GSM 02.06, 3.2.1	0		Type_GSM_R_Band
	standard and E-GSM Band)				

Comments:

A.5.1.2 Mobile Station Features

Not used.

A.5.1.3 Teleservices

Not used.

A.5.1.4 Bearer Services

Not used.

A.5.1.5 Supplementary Services

Not used.

A.5.1.6 Bearer Capability Information

Not used

A.5.1.7 Additional Information

Table A.25	Additional	Information
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Item	Additional Information	Ref.	Status	Support	Mnemonic	
2	full rate speech mode.	GSM 02.06,	C2501		TSPC_FullRateSpeech	
		3.2.2;				
		GSM 02.01, A.1.1				
3	half rate speech mode.	GSM 02.06,	0		TSPC_HalfRateSpeech	
		3.2.2;				
		GSM 02.01, A.1.1				
25	at least one teleservice.	GSM 02.03, 6	0		TSPC_TeleSvc	
26	CC protocol for at least one	GSM 04.08, 5	0		TSPC_CC	
	BC.					
60	Permanent Antenna	GSM 11.10-1	0		TSPC_AddInfo_PermAntenna	
	Connector.	12.1.1, 12.1.2				
C2501	IF A.25/3 THEN M ELSE O			TSPC_HalfRateSpeech		
					-	

A.5.2 Dynamic Requirements, RT B

Table A.26:	Dynamic	Requirements
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EN 300 607-1 Item	Description	TD Cat	Status	Supported
12.3.1	Conducted spurious emissions for MS supporting the R-GSM frequency band/MS allocated a channel	e	C 115	
12.3.2	Conducted spurious emissions for MS supporting the R-GSM frequency band/ MS in idle mode	е	C 115	
12.4.1	Radiated spurious emissions for MS supporting the R-GSM frequency band/ MS allocated a channel	e	C 103	
12.4.2	Radiated spurious emissions for MS supporting the R-GSM frequency band/ MS in idle mode	e	C 103	
13.9	Transmitter - Output RF spectrum for MS supporting the R-GSM band.	е	C 103	
14.2.9	Reference sensitivity - TCH/FS for MS supporting the R-GSM band	f	C 116	
14.7.3	Blocking and spurious response - speech channels for MS supporting the R-GSM band	e	C 116	
14.7.4	Blocking and spurious response - control channels for MS supporting the R-GSM band	f	C 119	
20.21.1	R-GSM cell selection	e, f	C 103	
20.21.2	R-GSM cell selection with varying signal strength values	e, f	C 103	
20.21.3	R-GSM basic cell reselection	d, e, f	C 103	
20.21.4	R-GSM cell reselection using TEMPORARY_OFFSET, CELL_RESELECT_OFFSET, POWER_OFFSET and PENALTY_TIME parameters	d, e, f	C 103	
20.21.5	R-GSM cell reselection using parameters transmitted in the System Information type 2bis, type 7 and type 8 messages	d, e, f	C 103	
	(continued)			

EN 300 607-1 Item		Description			Status	Supported	
20.21.6		R-GSM cell reselection timing		d, e, f	C 103		
20.21.7		R-GSM priority of cells		d, e, f	C 103		
20.21.8		R-GSM cell reselection when C1		d, e, f	C 103		
_0.2110		(serving cell) < 0 for 5 seconds		-, -, -			
20.21.9		R-GSM running average of the		d, e ,f	C 103		
20.21.3		surrounding cell BCCH carrier signal		u, e ,i	0 100		
		levels					
20.21.10			~	d, e, f	C 103		
20.21.10		R-GSM running average of the servin	g	u, e, i	C 103		
00.04.44		cell BCCH carrier signal level	1	-1 - f	0.400		
20.21.11		R-GSM updating the list of six stronge	est	d, e, f	C 103		
		neighbour carriers and decoding the					
		BCCH information of a new carrier on					
		the list					
20.21.12		R-GSM decoding the BCCH informati		d, e, f	C 103		
		of the neighbouring carriers on the lis	t of				
		six strongest neighbour carriers					
20.21.13		R-GSM decoding the BSIC of the		d, e, f	C 103		
		neighbour carriers on the list of six					
		strongest neighbour carriers					
20.21.14		R-GSM emergency calls		d, f	C 116		
20.21.15		R-GSM cell reselection due to MS		d, e, f	C 103		
		rejection "LA not allowed"					
20.21.16		R-GSM downlink signalling failure		d, e, f	C 103		
20.21.17		R-GSM cell selection if no suitable ce		f	C 103		
20.21.11		found in 10 s			0.00		
20.21.18		R-GSM cell reselection due to MS		d, e, f	C 103		
20.21.10		rejection "Roaming not allowed in this		u, e, i	0 105		
		LA"					
20.21.19		R-GSM cell selection on release of		f	C 103		
20.21.19				1	C 103		
00 40 0 4		SDCCH and TCH		f	0147		
26.10.2.1		E-GSM or R-GSM signalling / RR /		I	C117		
		Measurement.			0.100		
26.10.2.2		E-GSM or R-GSM signalling / RR /		d, e, f	C103		
		Immediate assignment.					
26.10.2.3		E-GSM or R-GSM signalling / RR /		d, e, f	C103		
		channel assignment procedure.					
26.10.2.4.1		E-GSM or R-GSM signalling / RR /		d, e, f	C117		
		Handover / Successful handover.					
26.10.2.4.2		E-GSM or R-GSM signalling / RR /		d, e, f	C117		
		Handover / layer 1 failure.					
26.10.2.5		E-GSM or R-GSM signalling / RR /		d, f	C118		
		Frequency redefinition.		-			
26.10.3.1		E-GSM or R-GSM signalling / Structu	red	f	C103		
		procedure / Mobile originated call.		-			
26.10.3.2		E-GSM or R-GSM signalling / Structu	red	f	C103		
201101012		procedure / Emergency call			0100		
C103		9 THEN M ELSE N/A		 Type_GSM	R Band		
C115		5/60 AND A.1/9 THEN M ELSE N/A			Info_PermAnt	enna AND	
0115	11 7.2	NOU AND A. I/S THEN MILESE N/A					
C116				Type_GSM_R_Band TSPC_FullrateSpeech AND			
	IF A.2						
0117				pe_GSM_F		SM D Dood	
C117		A.25/26 AND A.1/9 THEN M ELSE N/A TSPC_CC AND Type_0 A.25/25 AND A.25/26 AND A.1/9 THEN TSPC_TeleServ AND T					
C118		5/25 AND A.25/26 AND A.1/9 THEN				PU_UU AND	
0440	MELS			pe_GSM_F			
		ND NOT A.25/2 THEN M ELSE Type_GSM_R_Band AND NOT TSPC_					
	N/A		Fu	IlrateSpeed	ch in the second s		

History

Document history						
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