ETSI TS 151 010-2 V4.4.0 (2002-02)

Technical Specification

**Digital cellular telecommunications system (Phase 2+);
Mobile station (MS) conformance specification;
Part 2: Protocol Implementation Conformance
Statement (PICS) proforma specification
(3GPP TS 51.010-2 version 4.4.0 Release 4)**

Reference
RTS/TSGG-0551010-2Uv4R4

Keywords
GSM

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://webapp.etsi.org/IPR/home.asp).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under www.etsi.org/key .

Contents

Intellectual Property Rights 2
Foreword 2
Foreword 5
Introduction 5
1 Scope 6
2 References 6
3 Definitions and abbreviations 12
3.1 Definitions 12
3.2 Abbreviations 13
4 Conformance to this PICS proforma specification 13
Annex A (normative): PICS proforma for GSM mobile stations 14
A.1 Guidance for completing the PICS proforma 14
A.1.1 Purposes and structure 14
A.1.2 Abbreviations and conventions 14
A.1.3 Instructions for completing the PICS proforma 16
A.2 Identification of the implementation 17
A.2.1 Date of the statement 17
A.2.2 Implementation Under Test (IUT) identification 17
A.2.3 System Under Test (SUT) identification 17
A.2.4 Product supplier 18
A.2.5 Client 19
A.2.6 PICS contact person 19
A.3 Identification of the protocol 20
A.4 PICS proforma tables 20
A.4.1 Global statement of conformance 20
A.4.2 Types of Mobile Stations 21
A.4.3 Mobile Station Features 25
A.4.4 Teleservices 28
A.4.5 Bearer Services 29
A.4.6 Supplementary Services 30
A.4.7 Bearer Capability Information 34
A.4.8 Additional Information 53
A.4.9 SIM Application Toolkit 60
A.4.9.1 SIM Application Toolkit mechanism 61
A.4.9.1.1 Terminal Profile 62
A.4.9.1.2 Proactive commands 64
A.4.9.1.2.1 Display Text 64
A.4.9.1.2.2 Get Inkey 65
A.4.9.1.2.3 Get Input 65
A.4.9.1.2.4 More Time 65
A.4.9.1.2.5 Play Tone 66
A.4.9.1.2.6 Poll Interval 66
A.4.9.1.2.7 Refresh 66
A.4.9.1.2.8 Set Up Menu 67
A.4.9.1.2.9 Select Item 67
A.4.9.1.2.10 Send Short Message 68
A.4.9.1.2.11 Send SS 68
A.4.9.1.2.12 Not used 68
A.4.9.1.2.13 Set Up Call 69

A.4.9.1.2.14 Polling Offl 69
A.4.9.1.2.15 Provide Local Information 69
A.4.9.1.3 Data Download 69
A.4.9.1.4 Menu Selection 69
A.4.9.1.5 Call Control 70

Annex B (normative): Applicability of the individual test 71

Annex C (informative): Guidance for updating the PICS specification 145

C.1 Update of tables of Annex A 145
C.2 Identification of PICS items 145
C.3 Update of PICS items 145
C.4 Update of table B.1 of Annex B 145
C.5 Update of the listed tests of table B.1 146
C.6 Update of the applicability conditions of table B.1 146

Annex D (informative): Change history 147

History 149

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

This 3GPP TS provides the Protocol Implementation Conformance Statement (PICS) proforma for Mobile Stations (MSs), operating in the 400 MHz, 700 MHz, 850 MHz, 900 MHz, 1800 MHz and 1900 MHz frequency band (GSM 400, GSM 700, GSM 850, GSM 900, DCS1 800 and PCS1 900) within the digital cellular telecommunications system.

The present document is part 2 of a multi-part 3GPP TS covering the Digital cellular telecommunications system (GSM Phase2 and Phase 2+ Releases 96, 97, 98, 99 and 3GPP Release 4); Mobile Station (MS) conformance specification, as identified below:

Part 1: Conformance specification
Reference: 3GPP TS 51.010-1.

Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification.
Reference: 3GPP TS 51.010-2.

Part 3: Layer 3 (L3) Abstract Test Suite (ATS).
Reference: 3GPP TS 51.010-3.

Part 4: SIM Application Toolkit conformance specification
Reference: 3GPP TS 11.10-4.

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for Global System for Mobile Stations (MSs), operating in the 450 MHz, 480 MHz, 700 MHz, 750 MHz, 850 MHz, 900 MHz, 1800 MHz and 1900 MHz frequency band (GSM 400, GSM 700, GSM 750, GSM 850, GSM 900, DCS 1800 and PCS 1900) within the European digital cellular telecommunications system, in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3] and ETS 300 406 [1].

The present document is valid for MS implemented according to GSM Phase2 or Phase2+ R96, or R97, or R98, or R99 or 3GPP Release 4.

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.
  - For a 3GPP Release 4 MS, references to 3GPP documents are to version 4.x.y, when available.
  - For a Phase2+ Release 1999 MS, references to GSM documents are to version 8.x.y, when available.
  - For a Phase2+ Release 1998 MS, references to GSM documents are to version 7.x.y, when available.
  - For a Phase2+ Release 1997 MS, references to GSM documents are to version 6.x.y, when available.
  - For a Phase2+ Release 1996 MS, references to GSM documents are to version 5.x.y, when available.
  - For a Phase2 MS, references to GSM documents are to version 4.x.y.

NOTE: References to 3GPP Technical Specifications and Technical Reports throughout this document shall be interpreted according to the Release shown in the formal reference in this clause, based upon the Release of the implementation under test.

Example 1: References for a Ph2 MS shall be interpreted as:

[1] 3GPP TS 01.04 Ph2

[2] 3GPP TS 02.02 Ph2

etc

Example 2: References for a Rel-4 MS shall be interpreted as:

[1] 3GPP TS 21.905 Rel-4

[2] 3GPP TS 22.002 Rel-4

etc

[1] ETS 300 406 (January 1995): ”Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology”.

[2] ISO/IEC 9646-1 (1995): ”Information technology – Open systems interconnection – Conformance testing methodology and framework – Part 1: General concepts”.

[3] ISO/IEC 9646-7 (1995): ”Information technology – Open systems interconnection – Conformance testing methodology and framework – Part 7: Implementation Conformance Statements”.

[4] 3GPP TS 02.01 (Ph2 to R98): ” Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)”.
3GPP TS 22.001 (R99 onwards): ” Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)”.

[5] 3GPP TS 02.02 (Ph2 to R98): ” Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)”.
3GPP TS 22.002 (R99 onwards): ” Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)”.

[6] 3GPP TS 02.03 (Ph2 to R98): ” Teleservices supported by a GSM Public Land Mobile Network (PLMN)”.
3GPP TS 22.003 (R99 onwards): ” Circuit Teleservices supported by a Public Land Mobile Network (PLMN)”.

[7] 3GPP TS 02.04 (Ph2 to R98): ” General on supplementary services”.
3GPP TS 22.004 (R99 onwards): ” General on supplementary services ”.

[8] 3GPP TS 02.06 (Ph2 to R98): ” Types of Mobile Stations (MS)”.

[8a] 3GPP TS 22.101 (R99 onwards): ” PLMN Service aspects; Service principles ”.

[9] 3GPP TS 02.07 (Ph2 to R98): ” Mobile Station (MS) features”.

[10] 3GPP TS 02.09 (Ph2 to R99): ” Security aspects”.

3GPP TS 42.009 (Rel-4 onwards): "Security aspects".[11] 3GPP TS 02.11 (Ph2 to R98): ” Service accessibility”.
3GPP TS 22.011 (R99 onwards): ” Service accessibility ”.

[12] 3GPP TS 02.16 (Ph2 to R98): ” International Mobile station Equipment Identities (IMEI)”.

3GPP TS 22.016 (R99 onwards): "International Mobile station Equipment Identities (IMEI)”.

[13] 3GPP TS 02.17 (Ph2 to R99): ”Digital cellular telecommunication system (See Note 1); Subscriber identity modules Functional characteristics”.

3GPP TS 42.017 (Rel-4 onwards): "Subscriber Identity Modules (SIM); Functional characteristics".

[14] 3GPP TS 02.24 (Ph2 to R98): ” Description of Charge Advice Information (CAI)”.

3GPP TS 22.024 (R99 onwards): "Description of Charge Advice Information (CAI)".

[15] 3GPP TS 02.30 (Ph2 to R98): ” Man-Machine Interface (MMI) of the Mobile Station (MS)”.
3GPP TS 22.030 (R99 onwards): ” Man-Machine Interface (MMI) of the Mobile Station (MS)”.

[16] 3GPP TS 02.40 (Ph2 to R98): ” Procedures for call progress indications”.

[17] 3GPP TS 02.41 (Ph2 to R98): ” Operator determined barring”.

3GPP TS 22.041 (R99 onwards): "Operator determined barring”.

[18] 3GPP TS 02.81 (Ph2 to R98): ” Line identification supplementary services; Stage 1”.

3GPP TS 22.081 (R99 onwards): "Line identification supplementary services; Stage 1".

[19] 3GPP TS 02.82 (Ph2 to R98): ” Call Forwarding (CF) supplementary services; Stage 1”.

3GPP TS 22.082 (R99 onwards): "Call Forwarding (CF) supplementary services; Stage 1”.

[20] 3GPP TS 02.83 (Ph2 to R98): ” Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1”.

3GPP TS 22.083 (R99 onwards): "Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1".

[21] 3GPP TS 02.84 (Ph2 to R98): ” MultiParty (MPTY) supplementary services; Stage 1”.

3GPP TS 22.084 (R99 onwards): "MultiParty (MPTY) Supplementary Services; Stage 1".

[22] 3GPP TS 02.85 (Ph2 to R98): ” Closed User Group (CUG) supplementary services; Stage 1”.

3GPP TS 22.085 (R99 onwards): "Closed User Group (CUG) supplementary services; Stage 1”.

[23] 3GPP TS 02.86 (Ph2 to R98): ” Advice of charge (AoC) supplementary services; Stage 1”.

3GPP TS 22.086 (R99 onwards): "Advice of Charge (AoC) Supplementary Services; Stage 1".

[24] 3GPP TS 03.40 (Ph2 to R98): ” Technical realization of the Short Message Service (SMS) Point to Point (PP)”.
3GPP TS 23.040 (R99 onwards): ” Technical realisation of Short Message Service”.

[25] 3GPP TS 03.41 (Ph2 to R98): ” Technical realization of Short Message Service Cell Broadcast (SMSCB)”.
3GPP TS 23.041 (R99 onwards): ” Technical Realization of Cell Broadcast Service”.

[26] 3GPP TS 03.45 (Ph2 to R99): ” Technical realization of facsimile group 3 transparent”.
3GPP TS 43.045 (Rel-4 onwards): ” Technical Realization of Facsimile Group 3 Service - transparent".

[27] 3GPP TS 03.46 (Ph2 to R99): ” Technical realization of facsimile group 3 non-transparent”.

3GPP TS 23.146 (Rel-4 onwards): "Technical realization of facsimile group 3 non-transparent”.

[28] 3GPP TS 04.02 (Ph2 to R98): ” GSM Public Land Mobile Network (PLMN) access reference configuration”.
3GPP TS 24.002 (R99 onwards): ” GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration".

[29] 3GPP TS 04.04 (Ph2 to R99): ” Layer 1 General requirements”.
3GPP TS 44.004 (Rel-4 onwards): "Layer 1 General requirements".

[30] 3GPP TS 04.05 (Ph2 to R99): ” Data Link (DL) layer General aspects”.

3GPP TS 44.005 (Rel-4 onwards): "Data Link (DL) layer General aspects".

[31] 3GPP TS 04.06 (Ph2 to R99): ” Mobile Station – Base Station System (MS – BSS) interface Data Link (DL) layer specification”.

3GPP TS 44.006 (Rel-4 onwards): "Mobile Station - Base Station System (MS - BSS) interface Data Link (DL) layer specification".

[32] 3GPP TS 04.07 (Ph2 to R98): ” Mobile radio interface signalling layer 3 General aspects”.

3GPP TS 24.007 (R99 onwards): "Mobile Radio Interface Signalling Layer 3; General Aspects".

[33] 3GPP TS 04.08 (Ph2 to R99): ” Mobile radio interface layer 3 specification”. (see note 1)

3GPP TS 24.008 (R99 onwards): "Mobile radio interface layer 3 specification; Core network protocols; Stage 3". (see note 1)

3GPP TS 44.008 (Rel-4): "Mobile radio interface layer 3 specification". (see note 1)

[34] 3GPP TS 04.10 (Ph2 to R98): ” Mobile radio interface layer 3 Supplementary services specification General aspects”.

3GPP TS 24.010 (R99 onwards): "Mobile radio Interface Layer 3 – Supplementary Services Specification – General Aspects".

[35] 3GPP TS 04.11 (Ph2 to R98): ” Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface”.

3GPP TS 24.011 (R99 onwards): "Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface (see Note 2)".

[36] 3GPP TS 04.12 (Ph2 to R99): ” Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface”.

3GPP TS 44.012 (Rel-4 onwards): "Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio interface (see Note 2)".

[37] 3GPP TS 04.13 (Ph2 to R99): ” Performance requirements on mobile radio interface”.

3GPP TS 44.013 (Rel-4 onwards): "Performance requirements on the mobile radio interface".

[37a] 3GPP TS 04.14 (R96 to R99): ” Individual equipment type requirements and interworking; Special conformance testing functions”.

3GPP TS 44.014 (Rel-4 onwards): "Individual equipment type requirements and interworking; Special conformance testing functions”.

[38] 3GPP TS 04.21 (Ph2 to R99): ” Rate adaption on the Mobile Station – Base Station System (MS – BSS) interface”.

3GPP TS 44.021 (Rel-4 onwards): "Rate adaption on the Mobile Station - Base Station System (MS - BSS) Interface".

[39] 3GPP TS 04.22 (Ph2 to R98): ” Radio Link Protocol (RLP) for data and telematic services on the Mobile Station – Base Station System (MS – BSS) interface and the Base Station System – Mobile-services Switching Centre (BSS – MSC) interface”.
3GPP TS 24.022 (R99 onwards): ” Radio Link Protocol (RLP) for circuit switched bearer and teleservices".

[40] 3GPP TS 04.80 (Ph2 to R98): ”Digital cellular telecommunication system (See Note 1); Mobile radio interface layer 3 supplementary services specification Formats and coding”.

3GPP TS 24.080 (R99 onwards): "Mobile radio Layer 3 supplementary service specification; Formats and coding".

[41] 3GPP TS 04.81 (Ph2 to R98): ” Line identification supplementary services; Stage 3”.

3GPP TS 24.081 (R99 onwards): "Line identification Supplementary Service; Stage 3".

[42] 3GPP TS 04.82 (Ph2 to R98): ” Call Forwarding (CF) supplementary services; Stage 3”.

3GPP TS 24.082 (R99 onwards): "Call Forwarding Supplementary Service; Stage 3".

[43] 3GPP TS 04.83 (Ph2 to R98): ” Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3”.

3GPP TS 24.083 (R99 onwards): "Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3".

[44] 3GPP TS 04.84 (Ph2 to R98): ” MultiParty (MPTY) supplementary services;Stage 3”.

3GPP TS 24.084 (R99 onwards): "Multiparty (MPTY) Supplementary Service; Stage 3".

[45] 3GPP TS 04.85 (Ph2 to R98): ” Closed User Group (CUG) supplementary services; Stage 3”.

3GPP TS 24.085 (R99 onwards): ”Closed User Group (CUG) supplementary services; Stage 3”.

[46] 3GPP TS 04.86 (Ph2 to R98): ” Advice of Charge (AoC) supplementary services; Stage 3”.

3GPP TS 24.086 (R99 onwards): "Advice of Charge (AoC) Supplementary Service; Stage 3;".

[47] 3GPP TS 04.88 (Ph2 to R98): ” Call Barring (CB) supplementary services; Stage 3”.

3GPP TS 24.088 (R99 onwards): "Call Barring (CB) Supplementary Service; Stage 3".

[48] 3GPP TS 04.90 (Ph2 to R98): ” Unstructured supplementary services operation; Stage 3”.

3GPP TS 24.090 (R99 onwards): "Unstructured Supplementary Service Data (USSD); Stage 3".

[49] 3GPP TS 05.01 (Ph2 to R99): ” Physical layer on the radio path General description”.
3GPP TS 45.001 (Rel-4 onwards): ” Physical layer on the radio path General description”.

[50] 3GPP TS 05.02 (Ph2 to R99): ” Multiplexing and multiple access on the radio path”.
3GPP TS 45.002 (Rel-4 onwards): ” Special conformance testing functions Multiplexing and Multiple Access on the Radio Path".

[51] 3GPP TS 05.03 (Ph2 to R99): ” Channel coding”.
3GPP TS 45.003 (Rel-4 onwards): "Channel coding".

[52] 3GPP TS 05.04 (Ph2 to R99): ” Modulation”.
3GPP TS 45.004 (Rel-4 onwards): "Modulation".

[53] 3GPP TS 05.05 (Ph2 to R99): ” Radio transmission and reception”.
3GPP TS 45.005 (Rel-4 onwards): ” Radio transmission and reception".

[54] 3GPP TS 05.08 (Ph2 to R99): ” Radio subsystem link control”.
3GPP TS 45.008 (Rel-4 onwards): ” Radio subsystem link control".

[55] 3GPP TS 05.10 (Ph2 to R99): ” Radio subsystem synchronisation”.

3GPP TS 45.010 (Rel-4 onwards): "Radio subsystem synchronization".

[55a] 3GPP TS 05.09 (Ph2 to R99): ” Link Adaptation”.

3GPP TS 45.009 (Rel-4 onwards): "Link Adaptation".

[56] 3GPP TS 07.01 (Ph2 to R98): ” General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)”.

[56a] 3GPP TS 27.001 (R99 onwards): ” General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)".

[57] 3GPP TS 02.68 (R96 to R99): ” Voice Group Call Service; Stage 1”.

3GPP TS 42.068 (Rel-4 onwards): "Voice Group Call Service; Stage 1".

[58] 3GPP TS 02.69 (R96 to R99): ” Voice Broadcast Service; Stage 1”.

3GPP TS 42.069 (Rel-4 onwards): "Voice Broadcast Service; Stage 1".

[59] 3GPP TS 02.87 (R98): "User-to-User Signalling (UUS); Service description; Stage 1".

3GPP TS 22.087 (R99 onwards): ” User-to-User Signalling (UUS); Service description, Stage 1".

[60] 3GPP TS 22.094 (R99 onwards): ” Follow Me Service description; Stage 1".

[61] 3GPP TS 03.68 (R96 to R99): ” Voice Group Call Service (VGCS); Stage 2".
3GPP TS 43.068 (Rel-4 onwards): ” Voice Group Call Service (VGCS); Stage 2”.

[62] 3GPP TS 03.69 (R96 to R99): ” Digital cellular telecommunications system (See Note 1); Voice Broadcast Service (VBS); Stage 2".

3GPP TS 43.069 (Rel-4 onwards): "Voice Broadcast Service (VBS); Stage 2".

[63] 3GPP TS 03.87 (R98): "User-to-User Signalling (UUS) Supplementary Service; Stage 2".

3GPP TS 23.087 (R99 onwards): ”User-to-User Signalling (UUS) Supplementary Service; Stage 2".

[64] 3GPP TS 23.094 (R99 onwards): ” Follow-Me (FM); Stage 2”.

[65] 3GPP TS 04.68 (R96 to R98): ” Group Call Control (GCC) protocol”.

3GPP TS 44.068 (Rel-4 onwards): "Group Call Control (GCC) protocol".

[66] 3GPP TS 04.69 (R96 to R99): ” Broadcast Call Control (BCC) protocol”.
3GPP TS 44.069 (Rel-4 onwards): ” Broadcast Call Control (BCC) protocol”.

[67] 3GPP TS 04.97 (R98): "User-to-User Signalling (UUS) Supplementary Service; Stage 3".

3GPP TS 24.087: ”Digital cellular telecommunications system (See Note 1); User-to-User Signalling (UUS) Supplementary Service; Stage 3”.

[68] 3GPP TS 02.43 (R98 to R99): ” Support of Localised Service Area (SoLSA); Service description; Stage 1“.

[69] Void

[70] 3GPP TS 02.60 (R97 to R98): ” General Packet Radio Service Stage 1 Description“.
3GPP TS 22.060 (R99 onwards): ”General Packet Radio Service Stage 1 Description”.

[71] Void

[72] 3GPP TS 02.67 (R96 to R98): ” Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1“.

3GPP TS 22.067: ”Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1”.

[73] Void

[74] 3GPP TS 02.72 (R98): ”Call Deflection Service description, Stage 1“.
3GPP TS 22.072 (R99 onwards): ”Call Deflection Service description, Stage 1”.

[75] Void

[76] 3GPP TS 02.87 (R98): ” User-to-User Signalling (UUS) Service Description, Stage 1“.
3GPP TS 22.087 (R99 onwards): "User-to-User Signalling (UUS); Service description; Stage 1".

[77] 3GPP TS 02.91 (R96 to R98): ”Explicit Call Transfer (ECT)“.
3GPP TS 22.091 (R99 onwards): ” Explicit Call Transfer (ECT)”.

[78] Void.

[79] Void.

[80] 3GPP TS 22.094 (R99 onwards): ” Follow Me Service description; Stage 1”.

[81] 3GPP TS 03.38 (Ph2 to R98): ” Alphabets and Language Specific Information for GSM“.
3GPP TS 23.038 (R99 onwards): ” Alphabets & Language”.

[82] Void.

[83] 3GPP TS 03.69 (R96 to R99): ” Voice Broadcast service (VBS); Stage 2“.
3GPP TS 43.069 (Rel-4 onwards): ” Voice Broadcast service (VBS); Stage 2”.

[84] Void.

[85] 3GPP TS 03.73 (R98): ” Support of Localised Service Area (SoLSA); Stage 2“.
3GPP TS 23.073 (R99 onwards): ” Support of Localised Service Area (SoLSA); Stage 2”.

[86] Void.

[87] 3GPP TS 04.65 (R97 to R99): ” Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)“.

3GPP TS 44.065 (Rel-4 onwards): General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)".[88] Void.

[89] 3GPP TS 09.07 (Ph2 to R98): ” General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)“.

[90] 3GPP TS 29.007 (R99 onwards): ” General requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)”.

[91] 3GPP TS 11.11 (Ph2 to R99): " Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

3GPP TS 51.011 (Rel-4 onwards): "Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

[92] 3GPP TS 11.12 (Ph2): " Specification of the 3 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

[93] 3GPP TS 11.14 (R96 to R99): " Specification of the SIM application toolkit for the Subscriber Identity Module – Mobile Equipment (SIM – ME) interface".

[94] 3GPP TS 25.331 (R99 onwards): "Radio Resource Control (RRC) Protocol Specification".

[95] 3GPP TS 04.18 (R99): "Mobile radio interface layer 3 specification, Radio Resource Control Protocol" (see note 1).

3GPP TS 44.018 (Rel-4 onwards): "Mobile radio interface layer 3 specification, Radio Resource Control Protocol" (see note 1).

NOTE 1: From Rel-4 onwards, references to 3GPP TS 04.08 are replaced by references to 3GPP TS 44.018 (for RR) and 3GPP TS 24.008 (for CN).

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply.

- terms defined in the relevant GSM specifications (see references)
- terms defined in ISO/IEC 9646-1 [2] and in ISO/IEC 9646-7 [3].

In particular, the following terms defined in ISO/IEC 9646-1 [2] apply:

Implementation Conformance Statement (ICS): A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

ICS proforma: A document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Protocol ICS (PICS): An ICS for an implementation or system claimed to conform to a given protocol specification.

3.2 Abbreviations

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

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
SCS	System Conformance Statement
SUT	System Under Test

4 Conformance to this PICS proforma specification

If it claims to conform to this TS, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

A PICS which conforms to this 3GPP TS shall be a conforming PICS proforma completed in accordance with the instructions for completion given in clause A.1.

Annex A (normative): PICS proforma for GSM mobile stations

A.1 Guidance for completing the PICS proforma

A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in relevant specifications may provide information about the implementation in a standardized manner.

The PICS proforma is subdivided into subclauses for the following categories of information:

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- PICS proforma tables:
  - global statement of conformance;
  - types of mobile stations;
  - support of basic services;
  - support of supplementary services;
  - mobile station features;
  - additional information;

A.1.2 Abbreviations and conventions

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [3].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means ”is <item description> supported by the implementation?”.

Reference column

The reference column gives reference to the relevant GSM or 3GPP specifications.

Release column

The Release column indicates the earliest release from which the capability or option isrelevant.

Status column

The following notations, defined in ISO/IEC 9646-7 [3], are used for the status column:

M	mandatory – the capability is required to be supported.
O	optional – the capability may be supported or not.
N/A	not applicable – in the given context, it is impossible to use the capability.
X	prohibited (excluded) – there is a requirement not to use this capability in the given context.
O.i	qualified optional – for mutually exclusive or selectable options from a set. ”i” is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table.
Ci	conditional – the requirement on the capability (”M”, ”O”, ”X” or ”N/A”) depends on the support of other optional or conditional items. ”i” is an integer identifying an unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax ”IF ... THEN (IF ... THEN ... ELSE...) ELSE ...” shall be used to avoid ambiguities.

Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [3], are used for the support column:

Y or y	supported by the implementation
N or n	not supported by the implementation
N/A, n/a or -	no answer required (allowed only if the status is N/A, directly or after evaluation of a conditional status)

It is also possible to provide a comment to an answer in the space provided at the bottom of the table.

NOTE: As stated in ISO/IEC 9646-7 [3], support for a PDU requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

Values allowed column

The values allowed column contains the values or the ranges of values allowed.

Values supported column

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.

Mnemonic column

The Mnemonic column contains mnemonic identifiers for each item.

References to items

For each possible item answer (answer in the support column) within the PICS proforma 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.5/4 is the reference to the answer of item 4 in table A.5.

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.

Comments column

This column contains a verbal description of the condition included in the applicability column.

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.1.3 Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided. More detailed instructions are given at the beginning of the different subclauses of the PICS proforma.

A.2 Identification of the implementation

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

A.2.1 Date of the statement

.....

A.2.2 Implementation Under Test (IUT) identification

IUT name:

.....

.....

IUT version:

.....

A.2.3 System Under Test (SUT) identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

A.2.4 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.5 Client

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.6 PICS contact person

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

A.3 Identification of the protocol

This PICS proforma applies to the GSM/3GPP standards listed in the normative references clause of this TS.

A.4 PICS proforma tables

An explicit answer shall be entered, in each of the support column boxes provided, using the notation described in subclause A.1.2.

A.4.1 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No) .....

NOTE: Answering ”No” to this question indicates non-conformance to the relevant GSM/3GPP specifications. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming, on pages attached to the PICS proforma.

A.4.2 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 table below.

Table A.1: Types of Mobile Stations

Item	Type of Mobile Station	Ref.	Release	Status	Support	Mnemonic
1	Standard GSM Band (P-GSM)	3GPP TS 05.05, 2 3GPP TS 45.005, 2	Phase 2	O.101		TSPC_Type_GSM_P_Band
2	Extended GSM Band (E-GSM), (including standard Band)	3GPP TS 05.05, 2 3GPP TS 45.005, 2	Phase 2	O.101		TSPC_Type_GSM_E_Band
3	R-GSM Band (including standard and E-GSM Band)	3GPP TS 05.05, 2 3GPP TS 45.005, 2	R96	O.101		TSPC_Type_GSM_R_Band
4	DCS 1800 band	3GPP TS 05.05 3GPP TS 45.005, 2	Phase 2	O.101		TSPC_Type_DCS_Band
5	Multiple-band, not simultaneously	3GPP TS 05.05 3GPP TS 45.005, 2	Phase 2	O.102		TSPC_Type_MB_NonSimul
6	Multiple-band, simultaneously	3GPP TS 05.05 3GPP TS 45.005, 2	Phase 2	O.102		TSPC_Type_MB_Simul
7	Small Mobile Station	3GPP TS 05.05, 1.1 3GPP TS 45.005, 1.1	Phase 2	O		TSPC_Type_SmallMS
8	GSM Power Class 2	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	C101		TSPC_Type_GSM_Class2
9	GSM Power Class 3	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	C101		TSPC_Type_GSM_Class3
10	GSM Power Class 4	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	O		TSPC_Type_GSM_Class4
11	GSM Power Class 5	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	O		TSPC_Type_GSM_Class5
12	DCS Power Class 1	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	O		TSPC_Type_DCS_Class1
13	DCS Power Class 2	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	O		TSPC_Type_DCS_Class2
14	DCS Power Class 3	3GPP TS 05.05, 4.1.2 3GPP TS 45.005, 4.1.1	Phase 2	O		TSPC_Type_DCS_Class3
15	HSCSD Multislot MS	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	C102		TSPC_Type_HSCSD_Multislot

16	GSM 450 band	3GPP TS 05.05, 2 3GPP TS 45.005, 2	R99	O.101		TSPC_Type_GSM_450_Band
17	GSM 480 band	3GPP TS 05.05, 2 3GPP TS 45.005, 2	R99	O.101		TSPC_Type_GSM_480_Band
18	PCS 1900 band	3GPP TS 05.05, 2 3GPP TS 45.005, 2	R98	O.101		TSPC_Type_PCS_Band
19	PCS Power Class 1	3GPP TS 05.05, 4 3GPP TS 45.005, 4	R98	O		TSPC_Type_PCS_Class1
20	PCS Power Class 2	3GPP TS 05.05, 4 3GPP TS 45.005, 4	R98	O		TSPC_Type_PCS_Class2
21	PCS Power Class 3	3GPP TS 05.05, 4 3GPP TS 45.005, 4	R98	O		TSPC_Type_PCS_Class3
22	Multislot Class1	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class1
23	Multislot Class2	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class2
24	Multislot Class3	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class3
25	Multislot Class4	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class4
26	Multislot Class5	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class5
27	Multislot Class6	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class6
28	Multislot Class7	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class7
29	Multislot Class8	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class8
30	Multislot Class9	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class9
31	Multislot Class10	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class10

32	Multislot Class11	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class11
33	Multislot Class12	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class12
34	Multislot Class13	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class13
35	Multislot Class14	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class14
36	Multislot Class15	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class15
37	Multislot Class16	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class16
38	Multislot Class17	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class17
39	Multislot Class18	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R96	O		TSPC_Type_Multislot_Class18
40	Multislot Class19	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class19
41	Multislot Class20	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class20
42	Multislot Class21	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class21
43	Multislot Class22	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class22
44	Multislot Class23	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class23
45	Multislot Class24	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class24
46	Multislot Class25	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class25
47	Multislot Class26	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class26

48	Multislot Class27	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class27
49	Multislot Class28	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class28
50	Multislot Class29	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	O		TSPC_Type_Multislot_Class29
51	GPRS Multislot operation	3GPP TS 02.60 3GPP TS 22.060	R97	C103		TSPC_Type_GPRS_Multislot_operation
52	EGPRS capable of 8PSK in Uplink, of all Multislot classes	3GPP TS 04.60 3GPP TS 44.060	R99	O		TSPC_Type_EGPRS_8PSK_uplink
53	GSM 700 band	3GPP TS 45.005, 2	Release 4	O.101		TSPC_Type_GSM_700_Band
54	GSM 750 band	3GPP TS 45.005, 2	Release 4	O.101		TSPC_Type_GSM_750_Band
55	GSM 850 band	3GPP TS 05.05, 2 3GPP TS 45.005, 2	R99	O.101		TSPC_Type_GSM_850_Band
56	Support of UTRAN Radio Access Technology	3GPP TS 25.301	R99	O		TSPC_Type_UTRAN
57	Support of GPRS Multislot class on the uplink	3GPP TS 05.02, B.1 3GPP TS 45.002, B.1	R97	C105		TSPC_Type_GPRS_Multislot_uplink
58	Support of COMPACT	3GPP TS 05.08 3GPP TS 45.008	R99	O		TSPC_COMPACT

O.101	At least one of these items shall be supported	
O.102	At least two of the following items shall be supported: A.1/1 OR A.1/2 OR A.1/3 OR A.1/4 OR A.1/16 OR A.1/17 OR A.1/18 OR A.1/53 OR A.1/54 OR A.1/55	
O.103	IF A.2/41 THEN at least one of these items shall be supported ELSE N/A	-- TSPC_GPRS
C101	IF A.1/7 THEN X ELSE O	-- TSPC_Type_SmallMS
C102	ÎF (A.1/22 OR A.1/23 OR A.1/24 OR A.1/25 OR A.1/26 OR A.1/27 OR A.1/28 OR A.1/29 OR A.1/30 OR A.1/31 OR A.1/32 OR A.1/33 OR A.1/34 OR A.1/35 OR A.1/36 OR A.1/37 OR A.1/38 OR A.1/39) THEN M ELSE N/A	-- (TSPC_Type_Multislot_Class1 OR ...OR TSPC_Type_Multislot_Class18)
C103	ÎF A.2/41 AND (A.1/22 OR A.1/23 OR A.1/24 OR A.1/25 OR A.1/26 OR A.1/27 OR A.1/28 OR A.1/29 OR A.1/30 OR A.1/31 OR A.1/32 OR A.1/33 OR A.1/34 OR A.1/35 OR A.1/36 OR A.1/37 OR A.1/38 OR A.1/39 OR A.1/40 OR A.1/41 OR A.1/42 OR A.1/43 OR A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50) THEN M ELSE N/A	-- (TSPC_Type_Multislot_Class1 OR ...OR Type_Multislot_Class29) AND TSPC_GPRS
C104	void	Void
C105	IF A.1/51 THEN O ELSE N/A	-- TSPC_Type_GPRS_Multislot_uplink

Comments:

A.4.3 Mobile Station Features

The supplier of the implementation shall state the support of the implementation for each of the questions concerning the mobile station features given in the table below.

Table A.2: Mobile Station Features

Item	Mobile Station Feature	Ref.	Release	Status	Support	Mnemonic
1	Display of Called Number.	3GPP TS 02.07 B.1.1	Phase 2	C202		TSPC_Feat_DCN
2	Indication of Call Progress Signals.	3GPP TS 02.07 B.1.2	Phase 2	C204		TSPC_Feat_CPSind
3	Country / PLMN Indication.	3GPP TS 02.07 B.1.3	Phase 2	C202		TSPC_Feat_PLMNind
4	Country / PLMN Selection.	3GPP TS 02.07 B.1.4	Phase 2	M		TSPC_Feat_PLMNsel
5	Keypad.	3GPP TS 02.07 B.1.5	Phase 2	O		TSPC_Feat_Keypad
6	IMEI.	3GPP TS 02.07 B.1.6	Phase 2	M		TSPC_Feat_IMEI
7	Short Message Overflow Indication.	3GPP TS 02.07 B.1.8	Phase 2	M		TSPC_Feat_SMoverflow
8	DTE /DCE Interface.	3GPP TS 02.07 B.1.9	Phase 2	O		TSPC_Feat_DTE_DCE
9	ISDN "S" Interface.	3GPP TS 02.07 B.1.10	Phase 2	O		TSPC_Feat_Sinterface
10	International Access Function.	3GPP TS 02.07 B.1.11	Phase 2	O		TSPC_Feat_IntAccess
11	Service Indicator.	3GPP TS 02.07 B.1.12	Phase 2	C203		TSPC_Feat_ServInd
12	Autocalling restriction capabilities.	3GPP TS 02.07 annex A	Phase 2	C205		TSPC_Feat_AutocallRestric
13	Dual Tone Multi Frequency function.	3GPP TS 02.07 B.1.15	Phase 2	C201		TSPC_Feat_DTMF
14	Subscription Identity Management.	3GPP TS 02.07 B.1.16	Phase 2	M		TSPC_Feat_SIM
15	On / Off switch.	3GPP TS 02.07 B.1.17	Phase 2	O		TSPC_Feat_OnOff
16	Subaddress.	3GPP TS 02.07 B.1.18	Phase 2	O		TSPC_Feat_Subaddress
17	Support of Encryption A5/1.	3GPP TS 02.07 B.1.19	Phase 2	M		TSPC_Feat_A51
18	Support of Encryption A5/2.	3GPP TS 02.07 B.1.19	Phase 2	M		TSPC_Feat_A52
19	Short Message Service Cell Broadcast DRX.	3GPP TS 02.07 B.1.20	Phase 2	O		TSPC_Feat_SMS_CB_DRX
20	Abbreviated Dialling.	3GPP TS 02.07 B.3.1	Phase 2	O		TSPC_Feat_AD
21	Fixed Number Dialling.	3GPP TS 02.07 B.3.2	Phase 2	O		TSPC_Feat_FND
22	Barring of Outgoing Calls.	3GPP TS 02.07 B.3.3	Phase 2	O		TSPC_Feat_BO
23	DTMF Control Digits Separator.	3GPP TS 02.07 B.3.4	Phase 2	O		TSPC_Feat_DTMF_CDS
24	Selection of Directory No in Short Messages.	3GPP TS 02.07 B.3.5	Phase 2	O		TSPC_Feat_SM_Dir
25	Last Numbers Dialled.	3GPP TS 02.07 B.3.6	Phase 2	O		TSPC_Feat_LND
26	At least one autocalling feature.	3GPP TS 02.07 annex A	Phase 2	O		TSPC_Feat_Autocall
27	Alphanumeric display.	3GPP TS 02.07 2	Phase 2	O		TSPC_Feat_Alphanum_Display
28	Other means of display.	3GPP TS 02.07 2	Phase 2	O		TSPC_Feat_Other_Means_of_Display

Item	Mobile Station Feature	Ref.	Release	Status	Support	Mnemonic
29	Speech indicator.	3GPP TS 02.07 2	Phase 2	O		TSPC_Feat_Speech_Indicator
30	Support of the extended Short message cell broadcast channel	3GPP TS 02.07 B.1.23	R96	O		TSPC_Ext_SMcell_BC
31	Support of Additional Call Set-up MMI Procedures	3GPP TS 02.07 B.1.24	R96	O		TSPC_AddCall_Su_MMi_Proc
32	Network Identity and Timezone	3GPP TS 02.07 B.1.25	R96	O		TSPC_Feat_NID_Timezone
33	Ciphering Indicator	3GPP TS 02.07 B.1.22(B.1.2.26)	Phase 2 (R96)	C202		TSPC_Feat_Ciphering
34	Network's indication of alerting in the MS $(NI Alert in MS)$	3GPP TS 02.07 B.1.27	R96	O		TSPC_Feat_NI_AlertinMS
35	ME-SIM lock	3GPP TS 02.07 B.3.7	R96	O		TSPC_SIM_Lock
36	Service Dialling Numbers	3GPP TS 02.07 B.3.8	R96	O		TSPC_Service_No
37	Extended timing advance	3GPP TS 05.10, 5.5	R99	C206		TSPC_Feat_Ext_TA
38	Support of SoLSA	3GPP TS 02.43, 3GPP TS 22.043 B.1.27 3GPP TS 03.73 3GPP TS 23.073	R98	O		TSPC_SoLSA
39	Audible Indication of Service Tones	3GPP TS 02.07, B.1.27	R96	O		TSPC_Feat_audible_tone
40	Autocalling_Cause 27 Implemented in Cat 3	3GPP TS 02.07 annex A	Phase 2	O		TSPC_Feat_Cause27Cat3
41	Support of GPRS	3GPP TS 02.60 3GPP TS 22.060	R97	C211		TSPC_GPRS
42	Support of EGPRS	3GPP TS 02.60 3GPP TS 22.060	R99	C212		TSPC_EGPRS
43	Support of GPRS Encryption	3GPP TS 02.60 3GPP TS 22.060	R98	C207		TSPC_GPRS_Encryp
44	Control of Supplementary Services	3GPP TS 02.07, 2	Phase 2	O		TSPC_Control_SS
45	Short message	3GPP TS 02.07, 2	Phase 2	M		TSPC_Supp_SM
46	Emergency calls capabilities	3GPP TS 02.07, B.1.14	Phase 2	C211		TSPC_Emergency_call_cap
47	GPRS operation mode class A	3GPP TS 02.60, 5.4.5 3GPP TS 22.060, 5.4.5	R97	C209		TSPC_operation_mode_A
48	GPRS operation mode class B	3GPP TS 02.60, 5.4.5 3GPP TS 22.060, 5.4.5	R97	C209		TSPC_operation_mode_B
49	GPRS operation mode class C	3GPP TS 02.60, 5.4.5 3GPP TS 22.060, 5.4.5	R97	C209		TSPC_operation_mode_C
50	MS supporting SMS over GPRS	3GPP TS 22.060, 5.4	R99	O		TSPC_SMS_over_GPRS
51	void					
52	Support of GSM-CTS	3GPP TS 05.08 11 3GPP TS 45.008, 11	R98	O		TSPC_GSM_CTS
53	Support of ECSD	3GPP TS 05.08, B.6 3GPP TS 45.008, B.6	R99	O		TSPC_ECSD
54	GPRS test mode A	3GPP TS 04.14 5.4	R97	C208		TSPC_GPRS_Testmode_A

Item	Mobile Station Feature	Ref.	Release	Status	Support	Mnemonic
55	GPRS test mode B	3GPP TS 04.14 5.4	R97	C208		TSPC_GPRS_Testmode_B
56	EGPRS test mode	3GPP TS 04.14		C210		TSPC_EGPRS_Testmode
57	Support of MS-Assisted E-OTD	3GPP TS 03.71 7.6.1	R98	O		TSPC_EOTD
58	Non-zero value of Non_DRX_Timer	3GPP TS 04.60	Release 97	C208		TSPC_non_zero_Non_DRX_Timer
59	Support of MS-Based GPS	3GPP TS 03.71 7.6.1	R98	O		TSPC_A-GPS_Based
60	Support of MS-Assisted GPS	3GPP TS 03.71 7.6.1	R98	O		TSPC_A-GPS_Assist

C201	IF A.3/1 OR A.3/2 OR A.4/20 OR A.4/21 THEN M ELSE N/A	-- TSPC_Serv_TS11 OR TSPC_Serv_TS12 OR TSPC_Serv_BS61 OR TSPC_Serv_BS81
C202	IF A.2/27 THEN M ELSE N/A	-- TSPC_Feat_Alphanum_Display
C203	IF A.2/27 OR A.2/28 THEN M ELSE N/A	-- TSPC_AlphaNum_Display OR TSPC_Other_Means_of_Display
C204	IF A.2/29 THEN M ELSE N/A	-- TSPC_Speech_Indicator
C205	IF A.2/26 OR A.2/40 THEN M ELSE N/A	-- TSPC_Feat_Autocall
C206	IF A.1/16 OR A.1/17 THEN M ELSE N/A	-- TSPC_Feat_Ext_TA
C207	IF A.2/41 OR A.2/42 THEN M ELSE N/A	-- TSPC_GPRS OR TSPC_EGPRS
C208	IF A.2/41 THEN O ELSE N/A	-- TSPC_GPRS
C209	IF A.2/41 or A.2/42 THEN at least one of these items shall be supported ELSE N/A	-- TSPC_GPRS OR TSPC_EGPRS
C210	IF A.2/42 THEN O ELSE N/A	-- TSPC_EGPRS
C211	IF A.3/2 THEN M ELSE N/A	-- TSPC_Serv_TS12

Comments:

A.4.4 Teleservices

The supplier of the implementation shall state the support of the implementation for each of the teleservices given in the table below.

Table A.3: Teleservices

Item	Teleservice	Ref.	Release	Status	Support	Mnemonic
1	Telephony.	3GPP TS 02.03 A.1.1 3GPP TS 22.003, A.1.1	Phase 2	O		TSPC_Serv_TS11
2	Emergency Call.	3GPP TS 02.03 A.1.2 3GPP TS 22.003, A.1.2	Phase 2	C301		TSPC_Serv_TS12
3	Short Message MT/PP.	3GPP TS 02.03 A.1.3.1 3GPP TS 22.003, A.1.3.1	Phase 2	O		TSPC_Serv_TS21
4	Short Message MO/PP.	3GPP TS 02.03 A.1.3.2 3GPP TS 22.003, A.1.3.2	Phase 2	O		TSPC_Serv_TS22
5	SMS Cell Broadcast.	3GPP TS 02.03 A.1.3.3 3GPP TS 22.003, A.1.3.3	Phase 2	O		TSPC_Serv_TS23
6	Teleservice Alternate Speech and G3 fax.	3GPP TS 02.03 A.1.4 3GPP TS 22.003, A.1.4	Phase 2	O		TSPC_Serv_TS61
7	Teleservice Automatic G3 fax.	3GPP TS 02.03 A.1.5 3GPP TS 22.003, A.1.5	Phase 2	O		TSPC_Serv_TS62
8	Voice Group Call Service (VGCS)	3GPP TS 02.03 A.1.6 3GPP TS 22.003, A.1.6	R96	O		TSPC_Serv_TS91
9	Voice Broadcast Service (VBS)	3GPP TS 02.03 A.1.7 3GPP TS 22.003, A.1.7	R96	O		TSPC_Serv_TS92
10	SMS description	3GPP TS 02.03 A.1.3.4 3GPP TS 22.003, A.1.3.4	R96	O		TSPC_SMS_description
C301	IF A.3/1 THEN M ELSE O			-- TSPC_Serv_TS11		

Comments:

A.4.5 Bearer Services

The supplier of the implementation shall state the support of the implementation for each of the bearer services given in the table below.

Table A.4: Bearer Services

Item	Bearer Service	Ref.	Release	Status	Support	Mnemonic
1	Data circuit duplex async. 300 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS21
2	Data circuit duplex async. 1 200 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS22
3	Data circuit duplex async. 1 200/75 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS23
4	Data circuit duplex async. 2 400 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS24
5	Data circuit duplex async. 4 800 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS25
6	Data circuit duplex async. 9 600 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS26
7	Data circuit duplex sync. 1 200 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS31
8	Data circuit duplex sync. 2 400 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS32
9	Data circuit duplex sync. 4 800 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS33
10	Data circuit duplex sync. 9 600 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS34
11	PAD Access 300 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS41
12	PAD Access 1 200 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS42
13	PAD Access 1 200/75 bits/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS43
14	PAD Access 2 400 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS44
15	PAD Access 4 800 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS45
16	PAD Access 9 600 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS46
17	Packet Access 2 400 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS51
18	Packet Access 4 800 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS52
19	Packet Access 9 600 bit/s.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS53

20	Alternate Speech/Data.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS61
21	Speech Followed by Data.	3GPP TS 02.02 3 3GPP TS 22.002, 3	Phase 2	O		TSPC_Serv_BS81
22	GPRS	3GPP TS 02.02 3 3GPP TS 22.002, 3	R97	O		TSPC_Serv_BS70

Comments:

A.4.6 Supplementary Services

The supplier of the implementation shall state the support of the implementation for each of the supplementary services given in the table below.

Table A.5: Supplementary Services

Prerequisite: A.25/29 -- TSPC_ AddInfo_SS (3GPP TS 02.04 4, 3GPP TS 02.07 B.2.1, (3GPP TS 22.004 4)).

Item	Supplementary Service	Ref.	Release	Status	Support	Mnemonic
1	Calling Line Identification Presentation.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_CLIP
2	Calling Line Identification Restriction.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_CLIR
3	Connected Line Identification Presentation.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_COLP
4	Connected Line Identification Restriction.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_COLR
5	Call Forwarding Unconditional.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_CFU
6	Call Forwarding on Mobile Subscriber Busy.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_CFB
7	Call Forwarding on No Reply.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_CFNRy
8	Call Forwarding on Mobile Subscriber Not Reachable.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_CFNRc
9	Call Waiting.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_CW
10	Call Hold.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_HOLD
11	Multi Party Service.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_MPTY
12	Closed User Group.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_CUG
13	Advice of Charge (Information).	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_AoCI
14	Advice of Charge (Charging).	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_Serv_SS_AoCC
15	Barring of All Outgoing Calls.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_BAOC
16	Barring of Outgoing International Calls.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_BOIC

17	Barring of Outgoing International Calls except those directed to the Home PLMN Country.	3GPP TS 02.04 4, 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_BOICexHC
18	Barring of All Incoming Calls.	3GPP TS 02.04 4, 3GPP TS 02.07 B2.1	Phase 2	M		TSPC_Serv_SS_BAIC
19	Barring of Incoming Calls when Roaming Outside the Home PLMN Country.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	M		TSPC_Serv_SS_BICRoam
20	Unstructured SS Data.	3GPP TS 02.30, 4.5.2.2, 3GPP TS 02.07 B.2.1	Phase 2	O		TSPC_Serv_SS_unstruct
21	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	3GPP TS 02.04 4 3GPP TS 22.004, 4 3GPP TS 02.67, 3.1 3GPP TS 22.067, 43.1	R96	O		TSPC_Serv_SS_eMLPP
22	Call Deflection	3GPP TS 02.04 4 3GPP TS 22.004, 4 3GPP TS 02.72, 3.2 3GPP TS 22.072, 3.2	R96	O		TSPC_Serv_SS_CD
23	User-to-User signalling	3GPP TS 02.04 4 3GPP TS 22.004, 4 3GPP TS 02.87, 5.1 3GPP TS 22.087, 5.1	R96	O		TSPC_Serv_SS_UUS
24	Explicit Call Transfer	3GPP TS 02.04 4 3GPP TS 22.004, 4 3GPP TS 02.91 3GPP TS 22.091,	R96	O		TSPC_Serv_SS_ECT
25	Implicit UUS1	3GPP TS 02.87 5.1 3GPP TS 22.087, 5.1	R96	O		TSPC_Serv_SS_ImpUUS1
26	Sending of implicit UUS1 in the ALERTING message	3GPP TS 03.87 5.3.2 3GPP TS 23.087, 5.3.1	R98	O		TSPC_Serv_SS_Send_UUS1_ALERTING
27	Sending of implicit UUS1 in the CONNECT message	3GPP TS 03.87 5.3.2 3GPP TS 23.087, 5.3.2	R98	O		TSPC_Serv_SS_Send_UUS1_CONNECT
28	Follow Me	3GPP TS 02 94 3GPP TS 22.094,	R99	O		TSPC_Serv_SS_FollowMe
29	User-to-Dispatcher Information	3GPP TS 43.068, 3.1 3GPP TS 43.069, 3.1	Release 4	O		TSPC_Serv_UTDI
30	Compressed User-to-Dispatcher	3GPP TS 43.068 4.2.7 3GPP TS 43.069, 4.2.7	Release 4	O		TSPC_Serv_Compr_UTDI

31	Completion of Calls to Busy SS	3GPP TS 02.04 4 3GPP TS 22.004, 4	R97	O		TSPC_CCBS_SS
32	Completion of Calls to Busy Requests	3GPP TS 02.04 4 3GPP TS 22.004, 4	R97	O		TSPC_CCBS_Req
33	Support of Private Numbering Plan SS	3GPP TS 02.04 4 3GPP TS 22.004, 4	R97	O		TSPC_SPNP_SS
34	Support of Private Numbering Plan , Numbering Plans	3GPP TS 02.04 4 3GPP TS 22.004, 4	R97	O		TSPC_Num_plans
35	Name Identification SS	3GPP TS 02.04 4 3GPP TS 22.004, 4	R97	O		TSPC_CNAP

Comments:

A.4.7 Bearer Capability Information

The supplier of the implementation shall state the support of possible bearer capabilities in the tables below. The allowed Bearer Capabilities are defined by diagrams given in 3GPP TS 07.01 (3GPP TS 27.001) annex 2. The support of Bearer Capabilities shall be stated by selecting supported coding of Bearer Capability Elements for each group of Bearer Capabilities associated with one diagram.

This section provides a table for each diagram where the supplier shall state which element values are supported for the bearer capability if more than one element value is allowed. It is assumed that in many cases, all allowed combinations defined by the diagram with respect to the supported values are implemented. If this is not the case, the supplier shall state the restrictions immediately following the table. The abbreviations of element values are defined 3GPP TS 07.01(3GPP TS 27.001) table II.5. For detailed description of element values and coding, please refer to 3GPP TS 04.08 (3GPP TS 24.008), 10.5.4.5.

[Editor's note: Table A.6 to be updated according to the information in the following tables. The Releases and allowed values in brackets refer to the PICS items in brackets]

Table A.6: Groups for possible bearer capabilities

Item	Bearer Capability Group	Ref.	Release	Status	Support	Mnemonic
1	Bearer Service 21(20) .. 26, unrestricted digital information transfer capability.	3GPP TS 07.01 B.1.2.1 3GPP TS 27.001, B.1.2.1	Phase 2 (R96)	O		TSPC_BS2x_UDI
2	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability.	3GPP TS 07.01 B.1.2.2 3GPP TS 27.001, B.1.2.2	Phase 2 (R96)	O		TSPC_BS2x_3.1kHz
3	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34).	3GPP TS 07.01 B.1.3.1.1 3GPP TS 27.001, B.1.3.1.1	Phase 2 (R96)	O		TSPC_BS3x_UDI_nonX.32
4	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases.	3GPP TS 07.01 B.1.3.1.2 3GPP TS 27.001, B.1.3.1.1	Phase 2 (R96)	O		TSPC_BS3x_UDI_X.32
5	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases.	3GPP TS 07.01 B.1.3.2.1 3GPP TS 27.001, B.1.3.2.1	Phase 2 (R96)	O		TSPC_BS3x_3.1kHz_nonX.32
6	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases.	3GPP TS 07.01 B.1.3.2.2 3GPP TS 27.001, B.1.3.2.2	Phase 2 (R96)	O		TSPC_BS3x_3.1kHz_X.32
7	Bearer Service 41(40)..46, PAD Access Asynchronous.	3GPP TS 07.01 B.1.4 3GPP TS 27.001, B.1.5	Phase 2 (R96)	O		TSPC_BS4x_PAD
8	Bearer Service 51(50)..53, Data Packet Duplex Synchronous.	3GPP TS 07.01 B.1.5 3GPP TS 27.001, B.1.5	Phase 2 (R96)	O		TSPC_BS5x_Packet
9	Bearer Service 61, Alternate Speech/Data, "Speech".	3GPP TS 07.01 B.1.6.1 3GPP TS 27.001, B.1.6.1	Phase 2	O		TSPC_BS61_Speech
10	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.	3GPP TS 07.01 B.1.6.2.1 3GPP TS 27.001, B.1.6.2.1	Phase 2	O		TSPC_BS61_3.1kHz_Async

11	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous.	3GPP TS 07.01 B.1.6.2.2 3GPP TS 27.001, B.1.26.2.2	Phase 2	O		TSPC_BS61_3.1kHz_Sync
12	Bearer Service 81, Speech followed by Data, "Speech".	3GPP TS 07.01 B.1.7.1 3GPP TS 27.001, B.1.7.1	Phase 2	O		TSPC_BS81_Speech
13	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.	3GPP TS 07.01 B.1.7.2.1 3GPP TS 27.001, B.1.7.2.1	Phase 2	O		TSPC_BS81_3.1kHz_Async
14	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous.	3GPP TS 07.01 B.1.7.2.2 3GPP TS 27.001, B.1.7.2.2	Phase 2	O		TSPC_BS81_3.1kHz_Sync
15	Teleservice 11..12, Speech.	3GPP TS 07.01 B.1.8 3GPP TS 27.001, B.1.8	Phase 2	O		TSPC_TS1x_Speech
16	Teleservice 61, Alternate Speech and Facsimile group 3; "Speech".	3GPP TS 07.01 B.1.10.1 3GPP TS 27.001, B.1.8	Phase 2	O		TSPC_TS61_Speech
17	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3.	3GPP TS 07.01 B.1.10.2 3GPP TS 27.001, B.1.10.2	Phase 2	O		TSPC_TS61_G3FAX
18	Teleservice 62,Automatic Facsimile group 3	3GPP TS 07.01 1.11 3GPP TS 27.001, B.1.11	Phase 2	O		TSPC_TS62_G3FAX

Comments:

Table A.7: Bearer Service 20..26, UDI/RDI

Prerequisite: A.6/1 -- BS2x_UDI (diagram in 3GPP TS 07.01 B.1.2.1 (3GPP TS 27.001 B.1.2.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Signalling Access Protocol (SAP).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		I.440, X.28nond	
2	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
3	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		ISO6429, COPnoFlCt, NAV	
4	Number of Data Bits(NDB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		7 bits, 8 bits	
5	Parity Information (NPB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		odd, even, 0, 1, none	
6	Number of Stop Bits (NSB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1 bit, 2 bits	
7	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
8	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
9	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
10	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, 38.4 48.56, NAV	
11	Wanted Air Interface User Rate (WAIUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C701		9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV	
12	User Initiated Modification Indication (UIMI)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		not req., upto1, upto2, upto3, upto4, NAV	
13	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C702		1, 2, 3, 4, NAV	
10a	all allowed combinations according to 3GPP TS 07.01 B.1.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

C701 IF A.7/10 AND A.25/7 THEN M ELSE N/A
C702 IF A.7/10 THEN M ELSE N/A

Detailed description (if not all allowed combinations are implemented):

Table A.8: Bearer Service 20..26, 3.1 kHz

Prerequisite: A.6/2 -- BS2x_3.1kHz (diagram in 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001 B.1.2.2)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Signalling Access Protocol (SAP).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		I.440, X.28nond	
2	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
3	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex A 3GPP TS 27.001, annex B	Phase 2	M		ISO6429, COPnoFICt, NAV	
4	Number of Data Bits (NDB).	3GPP TS 07.01 annex B	Phase 2	M		7 bits, 8 bits	
5	Parity Information (NPB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		odd, even, 0, 1, none	
6	Number of Stop Bits (NSB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1 bit, 2 bits	
7	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
8	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
9	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
10	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		V.21, V.22, V.22bis, V.26ter V.32, V.23, auto	
11	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, NAV	
12	Wanted Air Interface User Rate (WAIUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C801		9.6, 14.4, 19.2, 28.8, 38.4, 43.2	
13	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
14	User Initiated Modification Indication (UIMI)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		not req., upto1, upto2, upto3, upto4, NAV	
15	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C802		1, 2, 3, 4, NAV	

11a	all allowed combinations according to 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			
C801 IF A.8/10 AND A.25/7 THEN M ELSE N/A C802 IF A.8/10 THEN M ELSE N/A							

Detailed description (if not all allowed combinations are implemented):

Table A.9: Bearer Service 30..34, UDI, Non-X.32

Prerequisite: A.6/3 -- BS3x_UDI_nonX.32 (diagram in 3GPP TS 07.01 B.1.3.1.1 (3GPP TS 27.001 B.1.3.1.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Signalling Access Protocol (SAP).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		I.440, X.21	
2	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
3	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
4	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1.2, 2.4, 4.8, 9.6	
5	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV	
6	Acceptable channel codings (ACC)	3GPP TS 07.01 annexB 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
7	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C901		1, 2, 3, 4, NAV	
5a	all allowed combinations according 3GPP TS 07.01 A2 1.3.1.1 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			
C901 IF A.9/5 THEN M ELSE N/A							

Detailed description (if not all allowed combinations are implemented):

Table A.10: Bearer Service 30..34, UDI, X-32

Prerequisite: A.6/4 -- BS3x_UDI_X.32 (diagram in 3GPP TS 07.01 B.1.3.1.2 (3GPP TS 27.001 B.1.3.1.2)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
2	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
3	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		2.4, 4.8, 9.6	
4	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2 (R96)	M		X.25, (X.75)	
5	Rate Adaptation (RA)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2 (R96)	O		X.31Flag, (V.120)	
6	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV	
7	Wanted Air Interface User Rate (WAIUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1001		9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57, NAV	
8	User Initiated Modification Indication (UIMI)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		not req., upto1, upto2, upto3, upto4, NAV	
9	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
10	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1001		1, 2, 3, 4, NAV	
4a	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.2 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			
C1001 IF A.10/6 AND A.25/7 THEN M ELSE N/A							

Detailed description (if not all allowed combinations are implemented):

Table A.10a: Bearer Service 30..34, UDI, 48 kbps and 56 kbps bit transparent

Prerequisite: A.6/4 -- BS3x_UDI_X.32[tbd] (diagram in3GPP TS 07.01 B.1.3.1.4 (3GPP TS 27.001 B.1.3.1.4)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Signalling Access Protocol (SAP).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		I.440, X.21	
2	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		48, 56	
3	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.10b: Bearer Service 30..34, UDI, 64 kbps bit transparent

Prerequisite: A.6/4 -- BS3x_UDI_X.32[tbd] (diagram in 3GPP TS 07.01 B.1.3.1.5 (3GPP TS 27.001 B.1.3.1.5)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Signalling Access Protocol (SAP).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		I.440, X.21	
2	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4	
3	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		5, 6	
4	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.11: Bearer Service 30..34, 3.1 kHz, Non-X-32

Prerequisite: A.6/5 -- BS3x_3.1kHz_nonX.32 (diagram in 3GPP TS 07.01 B.1.3.2.1 (3GPP TS 27.001 B.1.3.2.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
2	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
3	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1.2, 2.4, 4.8, 9.6	
4	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		V.22, V.22bis, V.26ter, V.32	
5	Other Modem Type (OMT)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		no other MT, V.34, NAV	
6	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, NAV	
7	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
8	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1101		1, 2, 3, 4, NAV	
5a	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			
C1101 IF A.11/6 AND A.25/7 THEN M ELSE N/A							

Detailed description (if not all allowed combinations are implemented):

Table A.12: Bearer Service 30..34, 3.1kHz, X-32

Prerequisite: A.6/6 -- BS3x_3.1kHz_X.32 (diagram in 3GPP TS 07.01 B.1.3.2.2 (3GPP TS 27.001 B.3.2.2)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
2	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
3	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
4	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		2.4, 4.8, 9.6	
5	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		V.22bis, V.26ter, V.32	
6	Other Modem Type (OMT)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		no other MT, V.34, NAV	
7	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, NAV	
8	Wanted Air Interface User Rate (WAIUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1201		9.6, 14.4, 19.2, 28.8, NAV	
9	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
10	User Initiated Modification Indication (UIMI)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		not req., upto1, upto2, upto3, upto4, NAV	
11	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1202		1, 2, 3, 4, NAV	
6a	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

C1201 IF A.12/7 AND A.25/7 THEN M ELSE N/A
C1202 IF A.12/7 THEN M ELSE N/A

Detailed description (if not all allowed combinations are implemented):

Table A.13: Bearer Service 40..46, PAD Access

Prerequisite: A.6/7 -- BS4x_PAD (diagram in 3GPP TS 07.01 B.1.4 (3GPP TS 27.001 B.1.4)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		ISO6429, COPnoFICt , NAV	
3	Number of Data Bits(NDB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		7 bits, 8 bits	
4	Parity Information (NPB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		odd, even, 0, 1, none	
5	Number of Stop Bits (NSB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1 bit, 2 bits	
6	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
7	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
8	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
9	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV	
10	Wanted Air Interface User Rate (WAIUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1301		9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV	
11	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
12	User Initiated Modification Indication (UIMI)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		not req., upto1, upto2, upto3, upto4, NAV	
13	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1302		1, 2, 3, 4, NAV	
9a	all allowed combinations according to 3GPP TS 07.01 B.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

C1301 IF A.13/9 AND A.25/7 THEN M ELSE N/A
C1302 IF A.13/9 THEN M ELSE N/A

Detailed description (if not all allowed combinations are implemented):

Table A.14: Bearer Service 50..53, Data Packet Duplex Synchronous

Prerequisite: A.6/8 -- BS5x_Packet (diagram in 3GPP TS 07.01 B.1.5 (3GPP TS 27.001 B.1.5)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
2	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
3	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
4	Fixed Network User Rate (FNUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV	
5	Wanted Air Interface User Rate (WAIUR)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1401		9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV	
6	Acceptable channel codings (ACC)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		4.8, 9.6, 14.4, NAV	
7	User Initiated Modification Indication (UIMI)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	O		not req., upto1, upto2, upto3, upto4, NAV	
8	Maximum number of Traffic Channels (MaxNumTCH)	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	C1402		1, 2, 3, 4, NAV	
4a	all allowed combinations according to 3GPP TS 07.01 B.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

C1401 IF A.14/4 AND A.25/7 THEN M ELSE N/A
C1402 IF A.14/4 THEN M ELSE N/A

Detailed description (if not all allowed combinations are implemented):

Table A.15: Bearer Service 61, Alternate Speech/Data, "Speech"

Prerequisite: A.6/9 -- BS61_Speech (diagram in 3GPP TS 07.01 B.1.6.1 (3GPP TS 27.001 B.1.6.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	

Comments:

Table A.16: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Async

Prerequisite: A.6/10 -- BS61_3.1kHz_Async (diagram in 3GPP TS 07.01 B.1.6.2.1 (3GPP TS 27.001 B.1.6.2.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		ISO6429, COPnoFlCt, NAV	
3	Number of Data Bits (NDB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		7 bits, 8 bits	
4	Parity Information (NPB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		odd, even, 0, 1, none	
5	Number of Stop Bits (NSB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1 bit, 2 bits	
6	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
7	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
8	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
9	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	M		V.21, V.22, V.22bis, V.26ter V.32, V.23, auto1	
10	all allowed combinations according to 3GPP TS 07.01 B.1.6.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.17: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Sync

Prerequisite: A.6/11 -- BS61_3.1kHz_Sync (diagram in 3GPP TS 07.01 B.1.6.2.2 (3GPP TS 27.001 B.1.6.2.2)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
2	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
3	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1.2, 2.4, 4.8, 9.6	
4	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	M		V.22, V.22bis, V.26ter, V.32	
5	all allowed combinations according to 3GPP TS 07.01 B.1.6.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.18: Bearer Service 81, Speech followed by Data, "Speech"

Prerequisite: A.6/12 -- BS81_Speech (diagram in 3GPP TS 07.01 B.1.7.1 (3GPP TS 27.001 B.1.7.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR, dualFR	

Comments:

Table A.19: Bearer Service 81, Speech followed by Data, 3.1kHz, Async

Prerequisite: A.6/13 -- BS81_3.1kHz_Async (diagram in 3GPP TS 07.01 B.1.7.2.1 (3GPP TS 27.001 B.1.7.2.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		ISO6429, COPnoFlCt, NAV	
3	Number of Data Bits(NDB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		7 bits, 8 bits	
4	Parity Information (NPB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		odd, even, 0, 1, none	
5	Number of Stop Bits (NSB).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1 bit, 2 bits	
6	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	
7	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
8	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
9	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	M		V.21, V.22, V.22bis, V.26ter V.32, V.23, auto1	
10	all allowed combinations according to 3GPP TS 07.01 B.1.7.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.20: Bearer Service 81, Speech followed by Data, 3.1kHz, Sync

Prerequisite: A.6/14 -- BS81_3.1kHz_Sync (diagram in 3GPP TS 07.01 B.1.7.2.2 (3GPP TS 27.001 B.1.7.2.2)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR,FR, dualFR	
2	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
3	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		1.2, 2.4, 4.8, 9.6	
4	Modem Type (MT).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	R96	M		V.22, V.22bis, V.26ter, V.32	
5	all allowed combinations according 3GPP TS 07.01 B.1.7.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.21:Teleservice 11..12, Speech

Prerequisite: A.6/15 -- TS1x_Speech (diagram in 3GPP TS 07.01 B.1.8 (3GPP TS 27.001 B.1.8)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		dualHR, FR , dualFR	

Comments:

Table A.22: Alternate Speech and Facsimile group 3, Speech

Prerequisite: A.6/16 -- TS61_Speech (diagram in 3GPP TS 07.01 B.1.10.1 (3GPP TS 27.001 B.1.10.1)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Radio Channel Requirement (RCR).	3GPP TS 07.01 B1 3GPP TS 27.001, annex B 1	Phase 2	M		dualHR, FR , dualFR	

Comments:

Table A.23: Alternate Speech and Facsimile group 3, Facsimile group 3

Prerequisite: A.6/17 -- TS61_G3FAX (diagram in 3GPP TS 07.01 B.1.10.2 (3GPP TS 27.001 B.1.10.2)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		X.25 NAV	
3	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
4	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		2.4, 4.8, 9.6,	
5	all allowed combinations according 3GPP TS 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

Table A.24: Teleservice 62, Automatic G3 fax

Prerequisite: A.3/7 -- Serv_TS62 (diagram in 3GPP TS 07.01 B.1.11 (3GPP TS 27.001 B.1.11)).

Item	Bearer Capability Elements	Reference	Release	Status	Support	Values	
						Allowed	Supported
1	Connection Element (CE).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		X.25 NAV	
3	Intermediate Rate (IR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		8 kbps, 16 kbps	
4	User Rate (UR).	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	M		2.4, 4.8, 9.6	
5	all allowed combinations according to 3GPP TS 07.01 B.1.11 (3GPP TS 27.001, annex B) implemented (if not, provide detailed description).			O			

Detailed description (if not all allowed combinations are implemented):

A.4.8 Additional Information

The supplier of the implementation shall state the support of the implementation for each of the questions concerning additional information given in the table below.

Table A.25: Additional Information

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
1	at least one half rate service.	3GPP TS 02.06 3.2.2 3GPP TS 22.101, 3.2.2	Phase 2	O		TSPC_AddInfo_HalfRate
2	full rate speech mode.	3GPP TS 02.06 3.2.2, 3GPP TS 22.101, 3.2.2 3GPP TS 02.01 D.2, 3GPP TS 22.001, D.2	Phase 2	C2501		TSPC_AddInfo_FullRateSpeech
3	half rate speech mode.	3GPP TS 02.06 3.2.2, 3GPP TS 22.101, 3.2.2 3GPP TS 02.01 D.2 3GPP TS 22.001, D.2	Phase 2	O		TSPC_AddInfo_HalfRateSpeech
4	at least one data service.	3GPP TS 07.01 annex D, 3GPP TS 09.07, 3	Phase 2	O		TSPC_ AddInfo_DataSvc
5	at least one full rate data service.	3GPP TS 07.01 annex D, 3GPP TS 27.001, D 3GPP TS 09.07, 10 3GPP TS 29.007, 10	Phase 2	O		TSPC_AddInfo_FullRateData
6	at least one half rate data service.	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_HalfRateData
7	at least one non transparent data service.	3GPP TS 02.02 3, 3GPP TS 22.002, D.2 3GPP TS 02.03 6 3GPP TS 22.001, D.2	Phase 2	O		TSPC_AddInfo_NonTransData
8	at least one transparent data service.	3GPP TS 02.02 3, 3GPP TS 22.002, 3, 3GPP TS 02.03 6 3GPP TS 22.003, 6	Phase 2	O		TSPC_AddInfo_TransData

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
9	only transparent data service	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 02.03 6 3GPP TS 22.003, 6	Phase 2	O		TSPC_AddInfo_TranspDataOnly
10	at least one asynchronous data service.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_AddInfo_AsyncData
11	at least one asynchronous non transparent data service.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_AddInfo_AsyncNonTransData
12	2.4 k full rate data mode.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_24DataF
13	2.4 k half rate data mode.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_24DataH
14	4.8 k full rate data mode.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_48DataF
15	4.8 k half rate data mode.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_48DataH
16	9.6 k full rate data mode.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_96Data

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
17	non transparent service with full rate channel at a user rate of 4.8 kbit/s.	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 annex B, 3GPP TS 27.001, annex B	Phase 2	O		TSPC_AddInfo_fullRate4.8
18	at least one bearer capability.	3GPP TS 07.01 annex B 3GPP TS 27.001, annex B	Phase 2	O		TSPC_ AddInfo_BC
19	at least one MT circuit switched basic service.	3GPP TS 04.08 5.3.4.2.2 3GPP TS 24.008, 5.3.4.2.2	Phase 2	O		TSPC_ AddInfo_MTsvc
20	at least one MO circuit switched basic service.	3GPP TS 04.08 5.3.4.2.1 3GPP TS 24.008, 5.3.4.2.1	Phase 2	O		TSPC_ AddInfo_MOsvc
21	only SDCCH.	3GPP TS 02.06 3.2.2 3GPP TS 22.101, 3.2.2	Phase 2	O		TSPC_ AddInfo_SDCCHOnly
22	at least one service on traffic channel supported	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 02.03 annex A 3GPP TS 22.003, annex A	Phase 2	O		TSPC_ AddInfo_SvcOnTCH
23	dual rate channel types.	3GPP TS 02.06 3.2.2 3GPP TS 22.101, 3.2.2	Phase 2	O		TSPC_ AddInfo_DualRate
24	only full rate channel type.	3GPP TS 02.06 3.2.2 3GPP TS 22.101, 3.2.2	Phase 2	O		TSPC_ AddInfo_FullRateOnly
25	at least one teleservice.	3GPP TS 02.03 6 3GPP TS 22.003, 6	Phase 2	O		TSPC_ AddInfo_TeleSvc
26	CC protocol for at least one BC.	3GPP TS 04.08 5 3GPP TS 24.008, 5	Phase 2	O		TSPC_Addinfo_CCprotocol_oneBC
27	only circuit switched basic service supported by the mobile is emergency call.	3GPP TS 02.03 6, A.1.2 3GPP TS 22.003, 6, A.1.2	Phase 2	C2505		TSPC_ AddInfo_EmgOnly
28	Fax Error Correction Mode.	3GPP TS 03.45, 4.2.2 3GPP TS 23.045, 4.2.2 3GPP TS 03.46, 2.6	Phase 2	O		TSPC_AddInfo_FaxErrCorr
29	at least one supplementary service.	3GPP TS 02.04 4, 3GPP TS 22.004, 4 3GPP TS 02.07 B.2.1	Phase 2	O		TSPC_ AddInfo_SS

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
30	non call related supplementary service.	3GPP TS 02.04 4 3GPP TS 22.004, 4	Phase 2	O		TSPC_ AddInfo_NonCallSS
31	at least one short message service.	3GPP TS 02.03 B.1.7, A.1.3 3GPP TS 22.003, B.1.3, A.1.3	Phase 2	O		TSPC_ AddInfo_SMS
32	(SMS) reply procedure.	3GPP TS 03.40 3 3GPP TS 23.040, 3	Phase 2	O		TSPC_ AddInfo_ReplyProc
33	replace SMS.	3GPP TS 03.40 3 3GPP TS 23.040, 3	Phase 2	O		TSPC_ AddInfo_ReplaceSMS
34	display of received SMS.	3GPP TS 03.40 9, 3GPP TS 23.040, 9 3GPP TS 03.41 8 3GPP TS 23.041, 8	Phase 2	O		TSPC_ AddInfo_DispRcvSMS
35	SMS status report capabilities.	3GPP TS 03.40 3.2.9 3GPP TS 23.040, 3.2.9	Phase 2	O		TSPC_AddInfo_SMSStatusRepCap
36	Storing of short messages in the SIM.	3GPP TS 03.38 4 3GPP TS 23.038, 4	Phase 2	O		TSPC_AddInfo_StoreRcvSMSSIM
37	Storing of short messages in the ME.	3GPP TS 03.38 4 3GPP TS 23.038, 4 3GPP TS 03.40, 10 3GPP TS 23.040, 10	Phase 2	O		TSPC_AddInfo_StoreRcvSMSME
38	detach on power down.	3GPP TS 04.08 4.3.4 3GPP TS 24.008, 4.3.4	Phase 2	O		TSPC_AddInfo_DetachOnPwrDn
39	detach on SIM remove.	3GPP TS 04.08 4.3.4 3GPP TS 24.008, 4.3.4	Phase 2	O		TSPC_AddInfo_DetachOnSIMRmv
40	SIM removable without power down.	3GPP TS 02.17 5.7		O		TSPC_ AddInfo_SIMRmv
41	ID-1 SIM.	3GPP TS 02.17 4.1.1	Phase 2	O.2502		TSPC_AddInfo_ID1
42	Plug-In SIM.	3GPP TS 02.17 4.1.2	Phase 2	O.2502		TSPC_AddInfo_PlugIn
43	Disable PIN feature.	3GPP TS 02.17 5.6	Phase 2	O		TSPC_AddInfo_DisablePin
44	PIN2 feature.	3GPP TS 02.17 5.6	Phase 2	O		TSPC_AddInfo_Pin2
45	Feature requiring entry of PIN2.	3GPP TS 02.17 5.6	Phase 2	O		TSPC_AddInfo_Pin2Feature

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
46	Chars 0-9, *, # supported	3GPP TS 02.30 2.3, 3GPP TS 22.030, 2.3 3GPP TS 02.07 B.1.5	Phase 2	O	Phase 2	TSPC_ AddInfo_BasCharSet
47	A, B, C, D chars. supported	3GPP TS 02.30 2.3 3GPP TS 22.030, 2.3	Phase 2	O	Phase 2	TSPC_AddInfo_AddCharSet
48	automatically enter automatic selection of PLMN mode.	3GPP TS 02.11 3.2 3GPP TS 22.011, 3.2	Phase 2	O	Phase 2	TSPC_AddInfo_AutoAutoMode
49	alerting indication to the user.	3GPP TS 04.08 5.2.1.5 3GPP TS 24.008, 5.2.1.5	Phase 2	O	Phase 2	TSPC_AddInfo_AlertInd
50	Appl. Layer is always running.	3GPP TS 11.10-1 18.1 3GPP TS 51.010-1, 18.1	R98	O		TSPC_AddInfo_ApplAlwaysRun
51	Immediate connect supported for all circuit switched basic services.	3GPP TS 04.08 5.2.1.6 3GPP TS 24.008, 5.2.1.6	Phase 2	O		TSPC_AddInfo_ImmConn
52	In-Call modification.	3GPP TS 04.08 5.3.4.3 3GPP TS 24.008, 5.3.4.3	Phase 2	O		TSPC_AddInfo_InCallMod
53	follow-on request procedure.	3GPP TS 04.08 4.4.4.6 3GPP TS 24.008, 4.4.4.6	Phase 2	O		TSPC_AddInfo_followOnReq
54	refusal of call.	3GPP TS 04.08 5.2.2.3.1 3GPP TS 24.008, 5.2.2.3.1	Phase 2	O		TSPC_AddInfo_RefusalCall
55	RF amplification.	3GPP TS 04.08 3.4.10 3GPP TS 44.018, 3.4.10	Phase 2	O		TSPC_AddInfo_RFAmp
56	Number of B-party number for autocalling is greater than the number of entries in the blacklist.	3GPP TS 02.07 annex A	Phase 2	O		TSPC_AddInfo_AutocallBnoGreaterM
57	Handset MS supporting speech.	3GPP TS 03.50 3.1.1	Phase 2	O		TSPC_AddInfo_SpeechHandset
58	MT2 Configuration.	3GPP TS 04.02 3 3GPP TS 24.002, 3	Phase 2	O		TSPC_AddInfo_MT2
59	MT2 Configuration or any other possibility to send data over Um interface.	3GPP TS 04.02 3 3GPP TS 24.002, 3	Phase 2	O		TSPC_AddInfo_MT2orOther
60	Permanent Antenna Connector.	3GPP TS 51.010-1 12.1.1, 12.1.2	Release 4	O.2504		TSPC_AddInfo_PermAntenna
61	Pseudo-synchronized handover supported.	3GPP TS 05.10 2, annex A	Phase 2	O		TSPC_AddInfo_PseudoSynch
62	5V only SIM/ME interface.	3GPP TS 11.11	R96	O.2503		TSPC_AddInfo_5V
63	3V only SIM/ME interface.	3GPP TS 11.12	R96	O.2503		TSPC_AddInfo_3V
64	3V/5V SIM/ME interface.	3GPP TS 11.12	R96	O.2503		TSPC_AddInfo_3V5V
65	Enhanced full rate speech supported	3GPP TS 06.51	Phase 2	C2502		TSPC_Addinfo_EFR

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
66a	RLP supports non default parameters	3GPP TS 04.22 5.2.2.6 3GPP TS 24.022, 3	Phase 2	O		TSPC_AddInfo_NonDefaultRlpParam
66b	Support of listening to voice broadcast calls (VBS listening)	3GPP TS 04.08, 0.7 3GPP TS 24.008, 1.7.1	R 96	O		TSPC_AddInfo_VBS_Listening
67	Support of originating voice broadcast call (VBS originating)	3GPP TS 04.08, 0.7 3GPP TS 24.008, 1.7.1	R 96	O		TSPC_AddInfo_VBS_Originating
68	Support of listening to voice group calls (VGCS listening)	3GPP TS 04.08, 0.7 3GPP TS 24.008, 1.7.1	R96	C2503		TSPC_AddInfo_VGCS_Listening
69	Support of talking in voice group calls (VGCS talking)	3GPP TS 04.08, 0.7.1 3GPP TS 24.008, 1.7.1	R96	C2504		TSPC_AddInfo_VGCS_Talking
70	Support of originating voice group call (VGCS originating)	3GPP TS 04.08, 0.7 3GPP TS 24.008, 0.7	R96	O		TSPC_AddInfo_VGCS_Originating
71	Support reduced NCH monitoring	3GPP TS 04.08, 3.3.3.3 3GPP TS 44.018, 3.3.3.3	R96	O		TSPC_AddInfo_NCH_ReducedMonitor
72	14.4 k data mode	3GPP TS 02.02 3, 3GPP TS 22.002, 3 3GPP TS 07.01 Annex B, 3GPP TS 27.001, Annex B	R 96	O		TSPC_ AddInfo_144Data
73	Implementation of cause number 27 of busy autocalling in category 2	3GPP TS 02.07, Annex A	Phase 2	O		TSPC_AddInfo_Impl_CNr27_Cat2
74	Implementation of cause number 27 of busy autocalling in category 3	3GPP TS 02.07, Annex A	Phase 2	O		TSPC_AddInfo_Impl_CNr27_Cat3
75	Support of immediate connect	3GPP TS 04.08, 5.2.1.6 3GPP TS 24.008, 5.2.1.6	Phase 2	O		TSPC_AddInfo_imm_Con
76	Artificial ear type 1	3GPP TS 03.50	Phase 2 up to and including release 4	O		TSPC_AddInfo_Ear_type1
77	Artificial ear type 3.2, Low leak option	3GPP TS 03.50	Phase 2	O		TSPC_AddInfo_Ear_type32_LL
78	Artificial ear type 3.4	3GPP TS 03.50	R96	O		TSPC_AddInfo_Ear_type34
79	Speech supported for Multi Rate version 1	3GPP TS 05.09 3.4	R98	C2502		TSPC_AddInfo_AMR
80	NCH monitoring in group receive mode	3GPP TS 03.68 11.3.1.3.a 3GPP TS 43.068, 11.3.1.3	R 96	O		TSPC_AddInfo_NCH_Monit_Rev
81	NCH monitoring in group transmit mode	3GPP TS 03.68 11.3.1.3.a 3GPP TS 43.068, 11.3.1.3	R 96	O		TSPC_AddInfo_NCH_Monit_Tra

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
82	NCH monitoring in dedicated mode	3GPP TS 03.68 11.3.1.3.a 3GPP TS 43.068, 11.3.1.3	R 96	O		TSPC_AddInfo_NCH_Monit_Ded
83	Support of one PDP context activation	3GPP TS 04.08, 6.1.3.1 3GPP TS 24.008, 6.1.3.1	R 97	O		TSPC_AddInfo_1PDP_CA
84	Support of more than one PDP context activation	3GPP TS 04.08 3GPP TS 24.008	R 97	O		TSPC_AddInfo_mor1PDP CA
85	Support of more than one PDP context activation simultaneously on the same SAPI	3GPP TS 04.08 3GPP TS 24.008	R 97	O		TSPC_AddInfo_mor1PDP CA_SAPI
86	Support of GPRS data compression	3GPP TS 04.65, 6.6 3GPP TS 24.065, 6.6	R 97	O		TSPC_AddInfo_GPRS_Data_Compr
87	Support of GPRS header compression	3GPP TS 04.65 3GPP TS 24.065	R 98	O		TSPC_AddInfo_GPRS_Header_Compr
88	Support of Network requested PDP context activation	3GPP TS 04.08, 6.1.3.1.2 3GPP TS 24.008, 6.1.3.1.2	R 97	O		TSPC_AddInfo_N_req_PDP_CA
89	Support for user settings of minimum QoS	3GPP TS 02.60 3GPP TS 22.060	R 97	O		TSPC_ AddInfo_min_QoS
90	Automatic GPRS attach procedure at switch-on/power-on	3GPP TS 04.08, 4.7.3 3GPP TS 24.008, 4.7.3	R 97	O		TSPC_AddInfo_on_auto_GPRS_AP
91	MMI controlled attach/detach procedures for non-GPRS services	3GPP TS 04.08 , 4.7.3.1.4 3GPP TS 24.008, 4.7.3.1.4	R 97	O		TSPC_AddInfo_MMI_contr_A/DProc_Non GPRS
92	Automatic attach procedure when MS identity cannot derived by the network	3GPP TS 04.08 , 4.7.5.1.4 3GPP TS 24.008, 4.7.5.1.4	R 97	O		TSPC_AddInfo_auto_AP_no_MS ID
93	Automatic MM IMSI attach procedure at switch-on / power-on	3GPP TS 04.08, 4.7.3.2.4 3GPP TS 24.008, 4.7.3.2.4	R98	O		TSPC_AddInfo_auto_MM_IMSI_AP_on/off
94	Support of SIM Application Toolkit	3GPP TS 11.11 , 11.6	R96	O		TSPC_AddInfo_SIM_Appl_Toolkit
95	1,8V only SIM/ME interface.	3GPP TS 11.18	R98	O.2503		TSPC_AddInfo_1,8V
96	1,8V/3V SIM/ME interface.	3GPP TS 11.18	R98	O.2503		TSPC_AddInfo_1,8V3V
97	Multiple SM MO/PP on same RR link	3GPP TS 03.40 3.7 3GPP TS 23.040, 3.7	Phase 2	O		TSPC_AddInfo_MultSMsame RR
98	Support of stored list cell selection	3GPP TS 05.08 3GPP TS 45.008	Phase 2	O		TSPC_AddInfo_StoredListCellSel
99	at least one service not support immediate connection	3GPP TS 04.08 3GPP TS 24.008	Phase 2	O		TSPC_ AddInfo_NoimmConn
100	Enhanced full rate speech version 2 supported	3GPP TS 06.51	Phase 2	O		TSPC_AddInfo_EFR_Speech_v2
101	Enhanced full rate speech version 3 supported	3GPP TS 06.51	Phase 2	O		TSPC_AddInfo_EFR_Speech_v3
102	EFR_EmgCallSetup message contains the bearer capability	3GPP TS 06.51	Phase 2	O		TSPC_AddInfo_EFR_EmgCallBcap
103	Support of MonitorPCH_GroupTransmit Mode	3GPP TS 11.10-1 3GPP TS 51.010-1	Phase 2	O		TSPC_AddInfo_MonitorPCH_GroupTransmitMode

Item	Additional Information	Ref.	Release	Status	Support	Mnemonic
104	Integral_Antenna Connector	3GPP TS 51.010-1 12	Release 4	O.2504		TSPC_AddInfo_IntegrAntenna
105	User requested combined GPRS and non-GPRS detached without powering off	3GPP TS 04.08, 4.7.4 3GPP TS 24.008, 4.7.4	R97	O		TSPC_AddInfo_Comb_DP_no_pwr_off
106	User requested non-GPRS detached	3GPP TS 04.08, 4.7.4 3GPP TS 24.008, 4.7.4	R97	O		TSPC_AddInfo_Usr_non_GPRS_DP
107	Artificial ear type 3.2, High leak option	3GPP TS 43.050	Phase 2	O		TSPC_AddInfo_Ear_type32_HL
108	Artificial ear type 3.3	3GPP TS 43.050	R96	O		TSPC_AddInfo_Ear_type33
109	Support of Multiple SMS	3GPP TS 03.40 3.7 3GPP TS 23.040, 3.7	Phase2	O		TSPC_Addinfo_MultSMS
110	Cell Reselection after T3184 Expiry	3GPP TS 04.60	R97	O		TSPC_Cell_Resel

C2501	IF A.25/3 THEN M ELSE O	-- TSPC_Addinfo_HalfRateSpeech
C2502	IF A.25/2 THEN O ELSE N/A	-- TSPC_Addinfo_FullRateSpeech
O.2502	At least one of the requirements shall be supported.	
O.2503	At least one of these items shall be supported.	
O.2504	At least one of these items shall be supported.	
C2503	IF A.25/69 OR A.25/70 THEN M ELSE O	-- TSPC_ AddInfo VGCS OR TSPC_AddInfo_VGCS_Talking
C2504	IF A.25/70 THEN M ELSE O	-- TSPC_AddInfo VGCS
C2505	IF A.3/2 THEN O ELSE N/A	-- TSPC_Serv_TS12

Comments:

A.4.9 SIM Application Toolkit

The supplier of the implementation shall state the support of the implementation for each of the questions concerning the information given in the tables below.

A.4.9.1 SIM Application Toolkit mechanism

The supplier of the implementation shall state the support of the implementation for each of the SIM Application Toolkit (SAT) mechanism given in the table below.

Table A.26.1: SAT Mechanism

Prerequisite: A.25/94 AND A.1/17: Feat_SIM_ATK AND TSPC_ Addinfo_ SIM_Appl_Toolkit

Item	SAT Mechanism	Ref.	Release	Status	Support	Mnemonic
1	Terminal Profile	3GPP TS 11.11, 8.18, 11.6.3, 11.6.9,	R96	M		SAT_FEA_Term_Profile
2	Envelope	3GPP TS 11.11, 8.19, 11.6.3, 11.6.9,	R96	M		SAT_FEA_Envelope
3	Fetch	3GPP TS 11.11, 8.20, 11.6.3	R96	M		SAT_FEA_Fetch
4	Terminal Response	3GPP TS 11.11, 8.21, 11.6.3, 11.6.9	R96	M		SAT_FEA_Term_Resp
5	Proactive Commands	3GPP TS 11.14, 6	R96	O		SAT_FEA_Proactive
6	Data download to SIM	3GPP TS 11.14, 7	R96	O		SAT_FEA_DDSIM
7	Menu selection	3GPP TS 11.14, 8	R96	O		SAT_FEA_Menu_Sel
8	Call Control by SIM	3GPP TS 11.14, 9	R96	O		SAT_FEA_CC

Comments:

A.4.9.1.1 Terminal Profile

The supplier of the implementation shall state the contents of the TERMINAL PROFILE used in the Profile Download instruction sent to the SIM as part of the SIM initialisation.

Table A.26.2: TERMINAL PROFILE

Prerequisite: A.25/94 AND A.2/1 SAT_FEA_Term_Profile AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
1	Profile Download	3GPP TS 11.14, 5	R96	M		PD_Pro_Dvnl
2	SMS-PP data download	3GPP TS 11.14, 5	R96	C26.201		PD_SMS_PP
3	Cell Broadcast data download	3GPP TS 11.14, 5	R96	C26.2202		PD_CB
4	Menu selection	3GPP TS 11.14, 5	R96	C 26.203		PD_Menu_sel
5	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_5
6	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_6
7	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_7
8	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_8
9	Command result	3GPP TS 11.14, 5	R96	M		PD_Cmd_Res
10	Call Control by SIM	3GPP TS 11.14, 5	R96	C 26.204		PD_CC
11	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_11
12	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_12
13	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_13
14	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_14
15	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_15
16	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_16
17	DISPLAY TEXT	3GPP TS 11.14, 5	R96	C 26.205		PD_Display_Text
18	GET INKEY	3GPP TS 11.14, 5	R96	C 26.206		PD_Get_Inkey
19	GET INPUT	3GPP TS 11.14, 5	R96	C 26.207		PD_Get_Input
20	MORE TIME	3GPP TS 11.14, 5	R96	C 26.208		PD_More_Time
21	PLAY TONE	3GPP TS 11.14, 5	R96	C 26.209		PD_Play_Tone
22	POLL INTERVAL	3GPP TS 11.14, 5	R96	C 26.210		PD_Poll_interval
23	POLLING OFF	3GPP TS 11.14, 5	R96	C 26.211		PD_Polling_Off
24	REFRESH	3GPP TS 11.14, 5	R96	C 26.212		PD_Refresh
25	SELECT ITEM	3GPP TS 11.14, 5	R96	C 26.213		PD_Select_Item
26	SEND SHORT MESSAGE	3GPP TS 11.14, 5	R96	C 26.214		PD_Send_SMS
27	SEND SS	3GPP TS 11.14, 5	R96	C 26.215		PD_Send_SS
28	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_28

Item	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
29	SET UP CALL	3GPP TS 11.14, 5	R96	C 26.216		PD_SetUp_Call
30	SET UP MENU	3GPP TS 11.14, 5	R96	C 26.217		PD_SetUp_Menu
31	PROVIDE LOCAL INFORMATION (LOCI & IMEI)	3GPP TS 11.14, 5	R96	C 26.218		PD_Provide_Local
32	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_32
33	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_33
34	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_34
35	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_35
36	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_36
37	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_37
38	RFU	3GPP TS 11.14, 5	R96	X		PD_RFU_38

C 26.201	IF A.26.1/6 THEN (IF A.26.2/3 THEN O ELSE M) ELSE X	-- SAT_FEA_DDSIM THEN (PD_CB)
C 26.202	IF A.26.1/6 THEN (IF A.26.2/2 THEN O ELSE M) ELSE X	-- SAT_FEA_DDSIM THEN (PD_SMS_PP)
C 26.203	IF A.26.1/7 THEN M ELSE X	-- SAT_FEA_Menu_Sel
C 26.204	IF A.26.1/8 THEN M ELSE X	-- SAT_FEA_CC
C 26.205	IF A.26.3/1 THEN M ELSE X	-- Pro_Display_Text
C 26.206	IF A.26.3/2 THEN M ELSE X	-- Pro_Get_Inkey
C 26.207	IF A.26.3/3 THEN M ELSE X	-- Pro_Get_Input
C 26.208	IF A.26.3/4 THEN M ELSE X	-- Pro_More_Time
C 26.209	IF A.26.3/5 THEN M ELSE X	-- Pro_Play_Tone
C 26.210	IF A.26.3/6 THEN M ELSE X	-- Pro_Poll_Interval
C 26.211	IF A.26.3/13 THEN M ELSE X	-- Pro_Polling_Off
C 26.212	IF A.26.3/7 THEN M ELSE X	-- Pro_Refresh
C 26.213	IF A. 26.3/9 THEN M ELSE X	-- Pro_Select_Item
C 26.214	IF A. 26.3/10 THEN M ELSE X	-- Pro_Send_SMS
C 26.215	IF A. 26.3/11 THEN M ELSE X	-- Pro_Send_SS
C 26.216	IF A. 26.3/12 THEN M ELSE X	-- Pro_Setup_Call
C 26.217	IF A. 26.3/8 THEN M ELSE X	-- Pro_Setup_Menu
C 26.218	IF A. 26.3/14 THEN M ELSE X	-- Pro_Provide_Local

Comments:
This static requirement for the TERMINAL PROFILE is specifying the bit coding of this command. In the support column a "Yes" (or "Y" or "y") means bit coding "1" and a "No" (or "N" or "n") and "X" means bit coding "0" in the command.

A.4.9.1.2 Proactive commands

The supplier of the implementation shall state which of the proactive commands are supported of the implementation in the table below.

Table A.26.3: Proactive commands

Prerequisite: A.25/94 AND A.26.1/5 SAT_FEA_Term_Profile AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Proactive commands	Ref.	Release	Status	Support	Mnemonic
1	Display Text	3GPP TS 11.14, 6.4.1	R96	O		Pro_Display_Text
2	Get Inkey	3GPP TS 11.14, 6.4.2	R96	O		Pro_Get_Inkey
3	Get Input	3GPP TS 11.14, 6.4.3	R96	O		Pro_Get_Input
4	More Time	3GPP TS 11.14, 6.4.4	R96	O		Pro_More_Time
5	Play Tone	3GPP TS 11.14, 6.4.5	R96	O		Pro_Play_Tone
6	Poll Interval	3GPP TS 11.14, 6.4.6	R96	O		Pro_Poll_Interval
7	Refresh	3GPP TS 11.14, 6.4.7	R96	O		Pro_Refresh
8	Set up Menu	3GPP TS 11.14, 6.4.8	R96	O		Pro_Setup_Menu
9	Select Item	3GPP TS 11.14, 6.4.9	R96	O		Pro_Select_Item
10	Send Short Message	3GPP TS 11.14, 6.4.10	R96	O		Pro_Send_SMS
11	Send SS	3GPP TS 11.14, 6.4.11	R96	O		Pro_Send_SS
12	Set Up Call	3GPP TS 11.14, 6.4.13	R96	O		Pro_Setup_Call
13	Polling off	3GPP TS 11.14, 6.4.14	R96	O		Pro_Polling_Off
14	Provide Local Information	3GPP TS 11.14, 6.4.15	R96	O		Pro_Provide_Local

Comments:

A.4.9.1.2.1 Display Text

The supplier of the implementation shall state the support of possible qualifiers for the Display Text in the table below.

Table A.26.4: Display Text

Prerequisite: A.25/94 AND A.4/1: Pro_Display_Text AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Display Text	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Number of characters displayed.	3GPP TS 11 .14, 6.4.1 and 12.6	R96	M		Display_ Text_Len	0..160	

Comments:

Item 1: This clause means that it is mandatory for the implementation to support the command Display Text. The "Value" column allows the implementation to truncate the text string when displayed. The Value supported shall indicate how many characters the implementation is able to display. Due to different styles/fonts used in the implementations, it is allowed to specify a mean number of characters. If no "truncation" is applied by the implementation, the value supported shall be 160.

A.4.9.1.2.2 Get Inkey

The supplier of the implementation shall state the support of possible qualifiers for the Get Inkey in the table below.

Table A.26.5: Get Inkey

Prerequisite: A.25/94 AND A.4/2:Pro_Get_Inkey AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Get Inkey	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Number of characters displayed as the text string.	3GPP TS 11 .14, 6.4.2	R96	M		Get_Inkey_Len	1..160	
2	Input of digits 0-9, +, *, #	3GPP TS 02 .07, 2	R96	M		Get_Inkey_C_digits	N/A	N/A
3	Input of characters other than 0-9, +, *, #	3GPP TS 11 .14, 6.4.3, 3GPP TS 02 .07, 2 3GPP TS 03 .38, 6.2.1	R96	O		Get_Inkey_Char_Set	Default alphabet defined in 3GPP TS 03.38 6.2.1 with 0-9, +, *, # excluded.	

Comments:
Item 1: See comment table A.26.4/1

Item 3: If appropriate, the characters not supported can be stated.

A.4.9.1.2.3 Get Input

The supplier of the implementation shall state the support of possible qualifiers for the Get Input in the table below.

Table A.26.6: Get Input

Prerequisite: A.25/94 AND A.4/3:Pro_Get_Input AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Get Input	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Number of characters displayed as the text string.	3GPP TS 11 .14, 6.4.3	R96	M		Get_Input_Len	1..160	
2	Input of digits 0-9, +, *, #	3GPP TS 02 .07, 2	R96	M		Get_Input_C_digits	N/A	N/A
3	Input of characters other than 0-9, +, *, #	3GPP TS 11 .14, 6.4.3, 3GPP TS 02 .07, 2 3GPP TS 03 .38, 6.2.1	R96	O		Get_Input_Char_Set	Default alphabet defined in 3GPP TS 03.38 6.2.1 with 0-9, +, *, # excluded.	

Comments:
Item 1: See comment table A.26.4/1

Item 3: If appropriate, the characters not supported can be stated.

A.4.9.1.2.4 More Time

Not necessary

A.4.9.1.2.5 Play Tone

The supplier of the implementation shall state the support of possible qualifiers for the Play Tone in the table below.

Table A.26.7: Play Tone

Prerequisite: A.25/94 AND A.4/5: Pro_Play_Tone AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Play Tone	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Alpha identifier supported	3GPP TS 11.14, 6.4.5, 6.5.3	R96	O		Play_Tone_ Alpha_Len	1..241	

Comments:

Item 1: This clause means that it is mandatory for the implementation to support this command. The "Value" column allows the implementation to truncate the alpha string when displayed. The Value supported shall indicate how many characters the implementation is able to display. Due to different styles/fonts used in the implementations, it is allowed to specify a mean number of characters. If no truncation is applied by the implementation, the value supported shall be 241.
241 = 256-1-2-5-4-3

Editors Note: Supervisory tones not included.

A.4.9.1.2.6 Poll Interval

The supplier of the implementation shall state the polling interval supported by the implementation in the table below.

Table A.26.8: Poll Interval

Prerequisite: A.25/94 AND A.4/6: Pro_Poll_Interval AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Poll Interval	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Maximum poll interval	3GPP TS 11 .14, 6.4.6	R96	M		Poll_Max	0.1 s.. 255 min	
2	Minimum poll interval	3GPP TS 11 .14, 6.4.6	R96	M		Poll_Min	0.1 s.. 255 min	
The supported value for Maximum poll interval shall be greater or equal to the Minimum poll interval.								

Comments:

A.4.9.1.2.7 Refresh

The supplier of the implementation shall state the support of possible qualifiers for the Refresh in the table below.

Table A.26.9: Refresh

Prerequisite: A.25/94 AND A.4/7: Pro_Refresh AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Refresh	Ref.	Release	Status	Support	Mnemonic
1	Additional EFs read to those specified in SIM Initialisation	3GPP TS 11 .14, 6.4.7	R96	O		Refresh_Add_EF

Comments:

A.4.9.1.2.8 Set Up Menu

The supplier of the implementation shall state the support of possible qualifiers for the Set Up Menu in the table below.

Table A.26.10: Set Up Menu

Prerequisite: A.25/94 AND A.4/8: Pro_Setup_Menu AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Set Up Menu	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Alpha identifier supported	3GPP TS 11 .14, 6.4.8, 6.5.3	R96	M		Setup_Menu_ Alpha_Len	1..238	
2	Number of characters displayed as text string of item.	3GPP TS 11 .14, 11.9	R96	M		Select_Item_T ext_Len	1..240.	

Comments:
Item 1: See comment for table A.26.7/1
238 = 256-1-2-5-4-3-3

Item 2: 240 = 256-1-2-5-4-4

A.4.9.1.2.9 Select Item

The supplier of the implementation shall state the support of possible qualifiers for the Select Item in the table below.

Table A.26.11: Select Item

Prerequisite: A.25/94 AND A.4/9: Pro_Select_Item AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Select Item	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Alpha identifier supported	3GPP TS 11.1 4, 6.4.9, 6.5.3, 11.2	R96	O		Select_Item _Alpha_len	1..238	
2	Number of characters displayed as text string of item.	3GPP TS 11.1 4, 11.9	R96	M		Select_Item _Text_Len	1..240.	

Comments:
Item 1: See comment for table A.26.7/1
238 = 256-1-2-5-4-3-3

Item 2: 240 = 256-1-2-5-4-4

A.4.9.1.2.10 Send Short Message

The supplier of the implementation shall state the support of possible qualifiers for the Send Short Message in the table below.

Table A.26.12: Send Short Message

Prerequisite: A.25/94 AND A.4/10: Pro_Send_Short_MSG AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Send Short Message	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Alpha identifier supported	3GPP TS 11 .14, 6.4.10, 6.5.3, 11.2	R96	O		Send_SMS_ Alpha_Len	1..X	

Comments:
Item 1: See comment for table A.26.7/1
X = 256-1-2-5-4-3-length(SMS TPDU simple TLV)
(Minimum length of length(SMS TPDU simple TLV) is 9 octets, i.e. maxiimum of X=232).

A.4.9.1.2.11 Send SS

The supplier of the implementation shall state the support of possible qualifiers for the Send SS in the table below.

Table A.26.13: Send SS

Prerequisite: A.25/94 AND A.4/11: Pro_Send SS AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Send SS	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Alpha identifier supported	3GPP TS 11.14, 6.4.11, 6.5.3, 11.2	R96	O		Send_SS_Al pha_Len	1..X	

Comments:
Item 1: See comment for table A.26.7/1
X = 256-1-2-5-4-3- length(SS/USSD string simple TLV)
(Minumum length of length (SS/USSD string simple TLV) is 4 octets, (one octet for the SS/USSD string) i.e. maximum of X = 237).

A.4.9.1.2.12 Not used

Not necessary

A.4.9.1.2.13 Set Up Call

The supplier of the implementation shall state the support of possible qualifiers for the Set Up Cal in the table below.

Table A.26.14: Set Up Call

Prerequisite: A.25/94 AND A.4/12: Pro_Setup_Call AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Set up Call	Reference	Release	Status	Support	Mnemonic	Value	
							Allowed	Supported
1	Alpha identifier supported	3GPP TS 11.14, 6.4.11, 6.5.3, 11.2	R96	O		Send_SS_Alpha_Len	1..240	
2	Subaddress	3GPP TS 02.07, B.1.18, 3GPP TS 11.14,6.6.12	R96	C26.1401		Feat_Subaddress	N/A	
3	At least one autocalling feature.	3GPP TS 02.07, 2, 3GPP TS 11.14, 6.6.12	R96	C26.1402		Feat_Autocall	N/A	
C26.1401 A.2/16 -- TSPC_Feat_Subaddress								
C26.1402 A.2/26 -- TSPC_Feat_Subaddress								

Comments:
Item 1: See comment for table A.26.7/1
240 = 256-1-2-5-4-4

A.4.9.1.2.14 Polling Offl

Not necessary

A.4.9.1.2.15 Provide Local Information

Not necessary

A.4.9.1.3 Data Download

The supplier of the implementation shall state the support of possible qualifiers for the Data Download in the table below.

Table A.26.15: Data Download

Prerequisite: A.25/94 AND A.2/6: SAT_FEA_DDSIM AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Data Download	Ref.	Release	Status	Support	Mnemonic
1	The SIMPLE-TLV Address used in BER-TLV ENVELOPE for SMS-PP Download.	3GPP TS 11.14, 7.1.2	R96	O		DDSIM_SubAddr

Comments:

A.4.9.1.4 Menu Selection

Not necessary

A.4.9.1.5 Call Control

The supplier of the implementation shall state the support of possible qualifiers for the Call Control in the table below.

Table A.26.16: Call Control

Prerequisite: A.25/94 AND A.2/8: SAT_FEA_CC AND TSPC_ Addinfo_SIM_Appl_Toolkit

Item	Call Control	Ref.	Release	Status	Support	Mnemonic
1	SIMPLE-TLV "Called Party Subadress" used in BER-TLV ENVELOPE.	3GPP TS 11.14, 9.5	R96	C26.1601		CC_SubAddr
2	Emergency Call Codes (ECC).	3GPP TS 11.14, 9. 3GPP TS 11.11, 10.3.27	R96	O		CC_ECC
3	Fixed Number Dialling	3GPP TS 02.07 B.3.2	R96	C26.1602		Feat_FND
C26.1601	IFA.2/16 THEN O ELSE X			-- TSPC_Feat_Subaddress		
C26.1602	IFA.2/21 THEN O ELSE X			-- TSPC_Feat_Subaddress		

Comments:

Annex B (normative): Applicability of the individual test

The applicability of each individual test is identified in the table B.1.

The applicability of every test is formally expressed by the use of Boolean expression that are based on parameters (ICS) included in annex A of this specification.

The columns in Table B.1 have the following meaning:

Clause column

The clause column indicates the clause number for each test case as described in the 3GPP TS 51.010-1 or 3GPP TS 11.10-4 (tests 27.22.x) for which the applicability is identified.

Title column

The title column indicates the title of each test case as described in the 3GPP TS 51.010-1 or 3GPP TS 11.10-4 (tests 27.22.x) for which the applicability is identified.

Release column

The Release column indicates the earliest release from which each testcase is applicable, except if otherwise stated of an individual test case.

Applicability column

The Applicability column describes the applicability of the test in a verbal way.

Status column

The following notations, are used for the status column:

A	applicable - the test is applicable.
N/A	not applicable – in the given context, the test case is not applibable.
Ci	conditional – the test is applicable (”A”) or not (”N/A”) depending on the support of other optional or conditional items. ”i” is an integer identifying an unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax ”IF ... THEN (IF ... THEN ... ELSE...) ELSE ...” is used to avoid ambiguities.

Supported column

The following common notations, are used for the support column:

Y or y	test is supported by the implementation
N or n	test is not supported by the implementation
N/A, n/a or -	no answer required (allowed only if the status is N/A, directly or after evaluation of a conditional status)

Table B.1: Applicability of tests

Clause	Title	Release	Applicability	Status	Supported
11.1.1	Mobile Terminated (MT) calls	Phase 2	Each MT Bearer Service and MT Teleservice supported by the MS	C31	
11.1.2	Mobile Originated (MO) calls	Phase 2	Each MO Bearer Service and MO Teleservice supported by the MS	C36	
11.2	Verification of support of the single numbering scheme	Phase 2	MS supporting at least one MT circuit switched basic service	C31	
11.3	Verification of non-support of services (Advice of Charge Charging (AOCC))	Phase 2	MS which do not support AOCC	C32	
11.4	Verification of non-support of services (call hold)	Phase 2	MS which support AOCC and do not support the Call Hold supplementary service	C33	
11.5	Verification of non-support of services (multiparty)	Phase 2	MS which support Call Hold and AOCC, but do not support the Multi-Party supplementary service	C34	
11.6	Verification of non-support of feature (Fixed Dialling Number (FDN))	Phase 2	MS which do not support FDN	C35	
11.7	IMEI Security	Phase 2	All MS	A	
12.1.1	Conducted spurious emissions, MS allocated a channel	Phase 2	All MS with a permanent antenna connector	C99	
12.1.2	Conducted spurious emissions, MS in idle mode	Phase 2	All MS with a permanent antenna connector	C99	
12.2.1	Radiated spurious emissions, MS allocated a channel	Phase 2	All MS not supporting R-GSM. The test at extreme voltages does not apply to MS where a practical connection to an external power supply is not possible	C102	
12.2.2	Radiated spurious emissions, MS in idle mode	Phase 2	All MS not supporting R-GSM. The test at extreme voltages does not apply to MS where a practical connection to an external power supply is not possible	C102	
12.3.1	Conducted spurious emissions, MS allocated a channel for MS supporting the R-GSM band	R96	R-GSM MS with a permanent antenna connector	C115	
12.3.2	Conducted spurious emissions, MS in idle mode for MS supporting the R-GSM band	R96	R-GSM MS with a permanent antenna connector	C115	
12.4.1	Radiated spurious emissions, MS allocated a channel for MS supporting the R-GSM band	R96	R-GSM MS. The test at extreme voltages does not apply to MS where a practical connection to an external power supply is not possible	C103	
12.4.2	Radiated spurious emissions, MS in idle mode for MS supporting the R-GSM band	R96	R-GSM MS. The test at extreme voltages does not apply to MS where a practical connection to an external power supply is not possible	C103	
13.1	Frequency error and phase error	Phase 2	All MS	A	
13.2	Frequency error under multipath and interference conditions	Phase 2	All MS	A	

13.3-1	Transmitter output power and burst timing - MS with permanent antenna connector	Phase 2	All MS with a permanent antenna connector	C20	
13.3-2	Transmitter output power and burst timing - MS with integral antenna	Phase 2	All MS with integral antenna connector	C92	
13.4	Output RF spectrum	Phase 2	All MS not supporting R-GSM	C102	
13.6	Frequency error and phase error in HSCSD multislot configuration	R96	HSCSD Multislot MS	C86	
13.7-1	Transmitter output power and burst timing in HSCSD configurations - MS with permanent antenna connector	R96	HSCSD Multislot MS with permanent antenna connector	C93	
13.7-2	Transmitter output power and burst timing in HSCSD configurations - MS with integral antenna	R96	HSCSD Multislot MS with integral antenna	C94	
13.8	Output RF spectrum in HSCSD multislot configuration	R96	HSCSD Multislot MS	C86	
13.9	Output RF spectrum for MS supporting the R-GSM band	R96	R-GSM MS	C103	
13.10	Reserved for future use				
13.11	Reserved for future use				
13.12	Reserved for future use				
13.13	Reserved for future use				
13.14	Reserved for future use				
13.15	Reserved for future use				
13.16.1	Frequency error and phase error in GPRS multislot configuration	R97	GPRS MS supporting multislot operation on the uplink	C204	
13.16.2-1	Transmitter output power in GPRS multislot configuration - MS with permanent antenna connector	R97	GPRS MS supporting multislot operation on the uplink - MS with permanent antenna connector	C95	
13.16.2-2	Transmitter output power in GPRS multislot configuration - MS with integral antenna connector	R97	GPRS MS supporting multislot operation on the uplink - MS with integral antenna connector	C96	
13.16.3	Output RF spectrum in GPRS multislot configuration	R97	GPRS MS supporting multislot operation on the uplink	C204	

13.17.1	Frequency error and Modulation accuracy	R99	EGPRS MS capable of 8PSK in Uplink, of all Multislot classes	C238	
13.17.2	Frequency error under multipath and interference conditions	R99	All EGPRS MS	C216	
13.17.3-1	EGPRS Transmitter output power-MS with permanent antenna connector	R99	EGPRS MS capable of 8PSK in Uplink, of all Multislot classes with permanent antenna connector	C97	
13.17.3-2	EGPRS Transmitter output power-MS with integral antenna connector	R99	EGPRS MS capable of 8PSK in Uplink, of all Multislot classes with integral antenna connector	C98	
13.17.4	Output RF spectrum	R99	EGPRS MS capable of 8PSK in Uplink, of all Multislot classes	C238	
14.1.1.1	Bad frame indication - TCH/FS - Random RF input	Phase 2	MS supporting full rate speech	C24	
14.1.1.2	Bad frame indication - TCH/FS - Frequency hopping and downlink DTX	Phase 2	MS supporting full rate speech	C24	
14.1.2.1	Bad frame indication - TCH/HS - Random RF input	Phase 2	MS supporting half-rate speech	C13	
14.1.2.2	Bad frame indication - TCH/HS - Frequency hopping and downlink DTX	Phase 2	MS supporting half-rate speech	C13	
14.1.3	Bad frame indication - TCH/FS - Frequency hopping and downlink DTX - Phase 2 MS in a phase 1 network	Phase 2	MS supporting full rate speech	C24	
14.1.4	Bad frame indication - TCH/HS - Frequency hopping and downlink DTX - Phase 2 MS in a phase 1 network	Phase 2	MS supporting half-rate speech	C13	
14.1.5.1	Bad frame indication - TCH/AFS - Random RF input	R98	MS supporting AMR	C203	
14.1.6.1	Bad frame indication - TCH/AHS - Random RF input	R98	MS supporting AMR	C203	
14.2.1	Reference sensitivity - TCH/FS	Phase 2	MS supporting full rate speech	C24	
14.2.2	Reference sensitivity - TCH/HS (Speech frames)	Phase 2	MS supporting half-rate speech	C13	
14.2.3	Reference sensitivity - FACCH/F	Phase 2	All MS	A	
14.2.4	Reference sensitivity - FACCH/H	Phase 2	MS supporting half rate speech	C13	
14.2.5	Reference sensitivity - full rate data channels	Phase 2	MS supporting data	C11	
14.2.6	Reference sensitivity - half rate data channels	Phase 2	MS supporting half-rate data	C12	
14.2.7	Reference sensitivity - TCH/EFS	Phase 2	MS supporting EFR speech	C83	
14.2.8	Reference sensitivity - full rate data channels in multislot configuration	R98	HSCSD Multislot MS	C86	
14.2.9	Reference sensitivity - TCH/FS for MS supporting the R-GSM band	R98	R-GSM MS supporting full rate speech	C116	
14.3	Usable receiver input level range	Phase 2	MS supporting full rate speech	C24	
14.4.1	Co-channel rejection - TCH/FS	Phase 2	MS supporting full rate speech	C24	
14.4.2	Co-channel rejection - TCH/HS	Phase 2	MS supporting half-rate speech	C13	
14.4.3	Co-channel rejection - TCH/HS (SID frames)	Phase 2	MS supporting half-rate speech	C13	
14.4.4	Co-channel rejection - FACCH/F	Phase 2	All MS	A	

14.4.5	Co-channel rejection - FACCH/H	Phase 2	MS supporting half rate service	C2	
14.4.6	Co-channel rejection - TCH/EFS	Phase 2	MS supporting EFR speech	C83	
14.4.7	Receiver performance in the case of frequency hopping and co-channel interference on one carrier	R97	MS supporting speech	C52	
14.5.1	Adjacent channel rejection - speech channels	Phase 2	MS supporting speech	C52	
14.5.2	Adjacent channel rejection - control channels	Phase 2	MS not supporting speech	C53	
14.6.1	Intermodulation rejection - speech channels	Phase 2	MS supporting speech	C52	
14.6.2	Intermodulation rejection - control channels	Phase 2	MS not supporting speech	C53	
14.7.1	Blocking and spurious response - speech channels	Phase 2	Non R-GSM MS supporting speech	C100	
14.7.2	Blocking and spurious response - control channels	Phase 2	MS not supporting speech	C53	
14.7.3	Blocking and spurious response - speech channels for MS supporting the R-GSM band	R97	R-GSM MS supporting speech	C116	
14.7.4	Blocking and spurious response - control channels for MS supporting the R-GSM band	R97	R-GSM MS not supporting speech	C119	
14.8.1	AM suppression - speech channels	Phase 2	MS supporting speech	C52	
14.8.2	AM suppression - control channels	Phase 2	MS not supporting speech	C53	
14.9	Paging performance at high input levels	Phase 2	All MS	A	
14.10	Reserved for future use				
14.11	Reserved for future use				
14.12	Reserved for future use				
14.13	Reserved for future use				
14.14	Reserved for future use				
14.15	Reserved for future use				
14.16.1	Minimum Input level for Reference Performance	R97	All GPRS MS	C215	
14.16.2.1	Co-channel rejection for packet channels	R97	All GPRS MS	C215	
14.18.1	Minimum Input Level for Reference Performance	R99	All EGPRS MS	C216	
14.18.2	Co-channel Rejection	R99	All EGPRS MS	C216	
14.18.3	Adjacent channel Rejection	R99	All EGPRS MS	C216	
14.18.4	Intermodulation Rejection	R99	All EGPRS MS	C216	
14.18.5	Blocking and spurious response	R99	All EGPRS MS	C216	
14.18.6	EGPRS Usable receiver input level range	R99	All EGRS MS	C216	
14.18.7	Incremental redundancy performance	R99	All EGRS MS	C216	
15.1-15.5	Timing advance and absolute delay	Phase 2	All MS	A	
15.6	GPRS Timing advance and absolute delay	R97	All GPRS MS	C215	
15.7	ECSD Timing advance and absolute delay	R99	All ECSD MS	C214	

15.8	EGPRS Timing advance and absolute delay	R99	All EGPRS MS	C216	
16	Reception time tracking speed	Phase 2	All MS	A	
17.1	Intra cell channel change	Phase 2	All MS	A	
17.2	Inter cell handover	Phase 2	All MS	A	
18.1	Temporary reception gaps, single slot	Phase 2	MS which do not have an application layer always running which performs a normal release of the call due to loss of traffic	C1	
18.2	Temporary reception gaps in HSCSD multislot configurations	R98	HSCSD Multislot MS which do not have an application layer always running which performs a normal release of the call due to loss of traffic	C90	
19.1	Channel release after unrecoverable errors -1	Phase 2	MS which do not have an application layer always running which performs a normal release of the call due to loss of traffic	C1	
19.2	Channel release after unrecoverable errors - 2	Phase 2	MS which do not have an application layer always running which performs a normal release of the call due to loss of traffic	C1	
19.3	Channel release after unrecoverable errors - 3	Phase 2	MS which do not have an application layer always running which performs a normal release of the call due to loss of traffic	C1	
20.1	Cell selection	Phase 2	All MS	A	
20.2	Cell selection with varying signal strength values	Phase 2	All MS	A	
20.3	Basic cell reselection	Phase 2	All MS	A	
20.4	Cell reselection using TEMPORARY_OFFSET, CELL_RESELECT_OFFSET, POWER_OFFSET and PENALTY_TIME parameters	Phase 2	All MS	A	
20.5	Cell reselection using parameters transmitted in the System Information type 2bis, type 7 and type 8 messages	Phase 2	All MS. Test purpose 2 is only applicable to EGSM900 and DCS 1 800 MS. Test purpose 4 is only applicable to E-GSM MS	A	
20.6	Cell reselection timings	Phase 2	All MS	A	
20.7	Priority of cells	Phase 2	All MS	A	
20.8	Cell reselection when C1 (serving cell) < 0 for 5 seconds	Phase 2	All MS		
20.9	Running average of the surrounding cell BCCH carrier signal levels	Phase 2	All MS	A	
20.10	Running average of the serving cell BCCH carrier signal level	Phase 2	All MS	A	
20.11	Updating the list of six strongest neighbour carriers and decoding the BCCH information of a new carrier on the list	Phase 2	All MS	A	
20.12	Decoding the BCCH information of the neighbour carriers on the list of six strongest neighbour carriers	Phase 2	All MS	A	
20.13	Decoding the BSIC of the neighbour carriers on the list of six strongest neighbour carriers	Phase 2	All MS	A	
20.14	Emergency calls	Phase 2	MS supporting speech	C52	
20.15	Cell reselection due to MS rejection "LA not allowed"	Phase 2	All MS	A	
20.16	Downlink signalling failure	Phase 2	All MS	A	

20.17	Cell selection if no suitable cell found in 10 s	Phase 2	All MS	A	
20.18	Cell reselection due to MS rejection "Roaming not allowed in this LA"	Phase 2	All MS	A	
20.19	Cell selection on release of SDCCH and TCH	Phase 2	All MS	A	
20.20.1	Multiband cell selection and reselection / Cell selection	Phase 2	MS supporting simultaneous multiband operation	C76	
20.20.2	Multiband cell selection and reselection / Cell reselection	Phase 2	MS supporting simultaneous multiband operation	C76	
20.21.1	R-GSM cell selection	R96	R-GSM MS	C103	
20.21.2	R-GSM cell selection with varying signal strength values		R-GSM MS	C103	
20.21.3	R-GSM basic cell reselection	R96	R-GSM MS	C103	
20.21.4	R-GSM cell reselection using TEMPORARY_OFFSET, CELL_RESELECT_OFFSET, POWER_OFFSET and PENALTY_TIME parameters	R96	R-GSM MS	C103	
20.21.5	R-GSM cell reselection using parameters transmitted in the System Information type 2bis, type 7 and type 8 messages	R96	R-GSM MS	C103	
20.21.6	R-GSM cell reselection timing	R96	R-GSM MS	C103	
20.21.7	R-GSM priority of cells	R96	R-GSM MS	C103	
20.21.8	R-GSM cell reselection when C1 (serving cell) < 0 for 5 seconds	R96	R-GSM MS	C103	
20.21.9	R-GSM running average of the surrounding cell BCCH carrier signal levels	R96	R-GSM MS	C103	
20.21.10	R-GSM running average of the serving cell BCCH carrier signal level	R96	R-GSM MS	C103	
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	R96	R-GSM MS	C103	
20.21.12	R-GSM decoding the BCCH information of the neighbour carriers on the list of six strongest neighbour carriers	R96	R-GSM MS	C103	
20.21.13	R-GSM decoding the BSIC of the neighbour carriers on the list of six strongest neighbour carriers	R96	R-GSM MS	C103	
20.21.14	R-GSM emergency calls	R96	R-GSM MS supporting speech	C116	
20.21.15	R-GSM cell reselection due to MS rejection "LA not allowed"	R96	R-GSM MS	C103	
20.21.16	R-GSM downlink signalling failure	R96	R-GSM MS	C103	
20.21.17	R-GSM cell selection if no suitable cell found in 10 s	R96	R-GSM MS	C103	
20.21.18	R-GSM cell reselection due to MS rejection "Roaming not allowed in this LA"	R96	R-GSM MS	C103	
20.21.19	R-GSM cell selection on release of SDCCH and TCH	R96	R-GSM MS	C103	
20.22.1	Cell selection	R97	All GPRS MS	C215	
20.22.2	Cell reselection in Packet Idle mode	R97	All GPRS MS	C215	
20.22.3	Priority of cells	R97	All GPRS MS	C215	
20.22.4	Cell re-selection with cells in different routing area	R97	All GPRS MS	C215	
20.22.5	Network controlled Cell re-selection in Transfer Mode	R97	All GPRS MS	C215	
20.22.6	Cell reselection timings	R97	All GPRS MS	C215	

20.22.7	Downlink signalling failure	R97	All GPRS MS	C215	
20.22.8	Cell selection when the best cell does not support GPRS	R99	All GPRS MS	C215	
20.22.9	Cell reselection when the best cell does not support GPRS	R99	All GPRS MS	C215	
20.22.10	Cell Selection-Search for Suitable Cell/ cell priority	R97	All GPRS MS	C215	
20.22.11	Cell Selection/No normal priority cell	R97	All GPRS MS	C215	
20.22.12	Cell Selection on “LA not allowed”	R97	All GPRS MS	C215	
20.22.13	Cell Reselection based on C32 quality	R97	All GPRS MS	C215	
20.22.14	Cell Reselection in case Cell reselection occurred in the previous 15 seconds	R97	All GPRS MS	C215	
20.22.15	Cell Reselection/ ready state / no reselection	R97	All GPRS MS	C215	
20.22.16	Cell Reselection/ ready state/ Reselection and Cell update procedure	R97	All GPRS MS	C215	
20.22.17	C2 reselection in another RA - no cell reselection	R97	All GPRS MS	C215	
20.22.18	C2 reselection in another Routing Area - Routing Area Update	R97	All GPRS MS	C215	
20.22.19	Borders between routing areas - reselection of a GPRS cell in a homogenous network	R97	All GPRS MS	C215	
20.22.20	Cell Reselection based on C32 - Cell Reselection on CCCH - PBCCH not present	R97	All GPRS MS	C215	
20.22.21	Cell Reselection based on C32/GCRH value - Cell Reselection on CCCH - PBCCH not present	R97	All GPRS MS	C215	
20.22.22	Cell Reselection with cells in different Routing area - Cell Reselection on CCCH - PBCCH not present	R97	All GPRS MS	C215	
20.22.23	Cell Reselection based on C32 - Cell Reselection on CCCH - PBCCH not supported	R97	All GPRS MS	C215	
20.22.24	Cell Reselection based on C32/cell of same priority/ Cell Reselection on CCCH - PBCCH not supported	R97	All GPRS MS	C215	
20.22.25	Cell Reselection based on C32/C31<0/ Cell Reselection on CCCH - PBCCH not supported	R97	All GPRS MS	C215	
20.22.26	Cell Reselection based on C32 quality / Cell Reselection on CCCH - PBCCH not supported	R97	All GPRS MS	C215	
20.22.27	Cell Reselection in standby state - new cell in same routing area/ Cell Reselection on CCCH - PBCCH not supported	R97	All GPRS MS	C215	
20.22.28	Cell Reselection/no suitable cell found/cell selection	R97	All GPRS MS	C215	
20.23.1	COMPACT Cell Selection	R99	All COMPACT MS without GSM CS	C213	
20.23.2	COMPACT Cell reselection in Packet Idle mode	R99	All COMPACT MS	C213	
20.23.3	Priority of cells	R99	All COMPACT MS	C213	
20.23.4	Cell re-selection with cells in different routing area	R99	All COMPACT MS	C213	
20.23.5	COMPACT Network controlled Cell re-selection in Transfer Mode	R99	All COMPACT MS	C213	
20.23.6	COMPACT Cell reselection timings	R99	All COMPACT MS	C213	
20.23.7	COMPACT Downlink signalling failure	R99	All COMPACT MS	C213	

20.23.8	COMPACT Cell re-selection when target cell is BCCH supporting EGPRS and different routing area	R99	All COMPACT MS	C213	
20.23.9	Cell re-selection when target cell is COMPACT CPBCCH in different routing area	R99	All COMPACT MS	C213	
20.24.1	SoLSA Cell Selection suitable cell	R99	All SoLSA MS	C207	
20.24.2	SoLSA Cell (Re)Selection emergency call	R99	All SoLSA MS	C207	
20.24.3	SoLSA Cell Reselection / idle mode support enabled	R99	All SoLSA MS	C207	
20.24.4	SoLSA Cell Reselection / idle mode support any	R99	All SoLSA MS	C207	
20.24.5	SoLSA Cell Reselection / LSA indication for idle mode	R99	All SoLSA MS	C207	
21.1	Signal strength	Phase 2	All MS	A	
21.2	Signal strength selectivity	Phase 2	All MS	A	
21.3.1	Signal quality under static conditions - TCH/FS	Phase 2	MS supporting full rate speech	C24	
21.3.2	Signal quality under static conditions - TCH/HS	Phase 2	MS supporting half rate speech	C13	
21.4	Signal quality under TU50 propagation conditions	Phase 2	All MS supporting speech	C52	
21.5.1	Received signal measurements in HSCSD multislot configuration, signal strength	R96	HSCSD Multislot MS	C86	
21.6	COMPACT Signal Strength	R99	All COMPACT MS	C213	
21.7	COMPACT Signal Strength Selectivity	R99	All COMPACT MS	C213	
22.1	Transmit power control timing and confirmation, single slot	R96	All MS	A	
22.2	Transmit power control timing and confirmation in HSCSD multi slot configuration	R96	HSCSD Multislot MS	C86	
22.3	GPRS Uplink Power Control – Use of α and Γ_{CH} parameters	R97	All GPRS MS	C215	
22.4	GPRS Uplink Power Control – Independence of TS Power Control	R97	All GPRS MS supporting GPRS multislot operation on the uplink	C204	
22.5	*Reserved for future use*				
22.6	Normal transmit power control timing and confirmation in ECSD	R99	All ECSD MS	C214	
22.7	ECSD Fast Power Control timing and interworking with normal power control	R99	All MS capable of class B ECSD operation	C214	
22.8	EGPRS Uplink Power Control – Use of α and Γ_{CH} parameters	R99	All EGPRS MS	C216	
22.9	EGPRS Uplink Power Control – Independence of TS Power Control	R99	All EGPRS MS	C216	
22.10	*Reserved for future use*				
23	Single frequency reference	Phase 2	All MS	A	
25.2.1.1.1	Initialization when contention resolution required, Normal initialization	Phase 2	All MS	A	
25.2.1.1.2.1	Initialization failure, Loss of UA frame	Phase 2	All MS	A	
25.2.1.1.2.2	Initialization failure, UA frame with different information field	Phase 2	All MS	A	
25.2.1.1.2.3	Initialization failure, Information frame and supervisory frames in response to an SABM frame	Phase 2	All MS	A	
25.2.1.1.3	Initialization denial	Phase 2	All MS	A	
25.2.1.1.4	Total initialization failure	Phase 2	All MS	A	
25.2.1.2.1	Normal initialization without contention resolution	Phase 2	All MS	A	
25.2.1.2.2	Initialization failure	Phase 2	All MS	A	

25.2.1.2.3	Initialization denial	Phase 2	All MS	A	
25.2.1.2.4	Total initialization failure	Phase 2	All MS	A	
25.2.2.1	Sequence counting and I frame acknowledgements	Phase 2	All MS	A	
25.2.2.2	Receipt of an I frame in the timer recovery state	Phase 2	All MS	A	
25.2.2.3	Segmentation and concatenation	Phase 2	All MS	A	
25.2.3	Normal layer 2 disconnection	Phase 2	All MS	A	
25.2.4.1	I frame loss (MS to SS)	Phase 2	All MS	A	
25.2.4.2	RR response frame loss (SS to MS)	Phase 2	All MS [covered in 25.2.2.2]	A	
25.2.4.3	RR response frame loss (MS to SS)	Phase 2	All MS	A	
25.2.5.1	I frame with C bit set to zero	Phase 2	All MS	A	
25.2.5.2	SABM frame with C bit set to zero	Phase 2	All MS	A	
25.2.6.1	N(S) sequence error	Phase 2	All MS	A	
25.2.6.2	N(R) sequence error	Phase 2	All MS	A	
25.2.6.3	Improper F bit	Phase 2	All MS [covered in 25.2.2.2]	A	
25.2.7	Test on receipt of invalid frames	Phase 2	All MS	A	
26.2.1.1	Channel request / initial time	Phase 2	All MS	A	
26.2.1.2	Channel request / repetition time	Phase 2	All MS	A	
26.2.1.3	Channel request / random reference	Phase 2	All MS	A	
26.2.2-p1	IMSI detach and IMSI attach	Phase 2	All MS	A	
26.2.2-p2	IMSI detach and IMSI attach	Phase 2	MS where SIM removal is possible without powering down	C51	
26.2.2-p3	IMSI detach and IMSI attach	Phase 2	All MS	A	
26.2.2-p4	IMSI detach and IMSI attach	Phase 2	All MS	A	
26.2.3	Sequenced MM / CC message transfer	Phase 2	All MS	C52	
26.2.4 pr1	Establishment cause, Procedure 1 (TCH)	Phase 2	MS supporting a service on a traffic channel	C37	
26.2.4 pr2	Establishment cause, Procedure 2 (TCH/H)	Phase 2	MS supporting a service on a half-rate channel	C38	
26.2.4 pr3	Establishment cause, Procedure 3 (TCH/FS)	Phase 2	MS supporting speech teleservices	C42	
26.2.4 pr4	Establishment cause, Procedure 4 (data)	Phase 2	MS supporting a data service	C39	
26.2.4 pr5	Establishment cause, Procedure 5	Phase 2	All MS	A	
26.2.4 pr6	Establishment cause, Procedure 6	Phase 2	All MS	A	
26.2.4 pr7	Establishment cause, Procedure 7 (non-call-SS)	Phase 2	MS supporting a non call related supplementary service operation	C40	
26.2.4 pr8	Establishment cause, Procedure 8 (SMS/PP MO)	Phase 2	MS supporting SMS/PP MO	C41	
26.3.2	MS indication of available PLMNs	Phase 2	All MS	A	
26.3.3 steps a - c	MS will send only if BSS is "on air"	Phase 2	All MS	A	
26.3.3 step d	MS will send only if BSS is "on air"	Phase 2	MS supporting speech	C52	
26.3.4	Manual mode of PLMN selection	Phase 2	All MS	A	
26.5.1	Handling of unknown, unforeseen, and erroneous protocol data, and of parallel transactions / unknown protocol discriminator	Phase 2	All MS	A	
26.5.2.1.1	TI and skip indicator / RR / Idle Mode	Phase 2	All MS	A	
26.5.2.1.2	TI and skip indicator / RR / RR-Connection established	Phase 2	All MS	A	
26.5.2.2	TI and skip indicator / MM	Phase 2	All MS	A	
26.5.2.3	TI and skip indicator / CC	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	

26.5.3.1	Undefined or unexpected message type / undefined message type / CC	Phase 2	MS supporting CC protocol for at least one Bearer Capability [Not specified in TC body]	C43	
26.5.3.2	Undefined or unexpected message type / undefined message type / MM	Phase 2	MS supporting CC protocol for at least one Bearer Capability [Not specified in TC body]	C43	
26.5.3.3	Undefined or unexpected message type / undefined message type / RR	Phase 2	All MS	A	
26.5.3.4	Undefined or unexpected message type / unexpected message type / CC	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.4.1	Unforeseen information elements in the non-imperative message part / duplicated information elements	Phase 2	All MS	A	
26.5.5.1.1.1	Non-semantical mandatory IE errors / RR / missing mandatory IE error / special case	Phase 2	All MS	A	
26.5.5.1.1.2	Non-semantical mandatory IE errors / RR / missing mandatory IE error / general case	Phase 2	All MS	A	
26.5.5.1.2	Non-semantical mandatory IE errors / RR / comprehension required	Phase 2	All MS	A	
26.5.5.2.1	Non-semantical mandatory IE errors / MM / syntactically incorrect mandatory IE	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.5.2.2	Non-semantical mandatory IE errors / MM / syntactically incorrect mandatory IE	Phase 2	All MS	A	
26.5.5.2.3	Non-semantical mandatory IE errors / MM / comprehension required	Phase 2	All MS	A	
26.5.5.3.1.1	Non-semantical mandatory IE errors / CC / missing mandatory IE / disconnect message	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.5.3.1.2	Non-semantical mandatory IE errors / CC / missing mandatory IE / general case	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.5.3.2	Non-semantical mandatory IE errors / CC / comprehension required	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.6.1.1	Unknown IE, comprehension not required / MM / IE unknown in the protocol	Phase 2	All MS	A	
26.5.6.1.2	Unknown IE, comprehension not required / MM / IE unknown in the message	Phase 2	All MS	A	
26.5.6.2.1	Unknown information elements in the non-imperative message part / CC / Call establishment	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.6.2.2	Unknown information elements in the non-imperative message part / CC / disconnect	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.6.2.3	Unknown information elements in the non-imperative message part / CC / release	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.6.2.4	Unknown information elements in the non-imperative message part / CC / release complete	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.5.6.3	Unknown IE in the non-imperative message part, comprehension not required / RR	Phase 2	All MS	A	
26.5.7.1.1	Spare bits / RR / paging channel	Phase 2	All MS	A	
26.5.7.1.2	Spare bits / RR / BCCH	Phase 2	All MS	A	
26.5.7.1.3	Spare bits / RR / AGCH	Phase 2	All MS	A	
26.5.7.1.4	Spare bits / RR / Connected Mode	Phase 2	All MS	A	
26.5.7.2	Spare bits / MM	Phase 2	All MS	A	

26.5.7.3	Spare bits / CC	Phase 2	MS supporting at least one MT circuit switched basic service.	C31	
26.6.1.1	Immediate assignment / SDCCH or TCH assignment	Phase 2	First test, All MS Second test, MS supporting TCH/F Third test, MS supporting TCH/H	A	
26.6.1.2	Immediate assignment / extended assignment	Phase 2	All MS	A	
26.6.1.3	Immediate assignment / assignment rejection	Phase 2	All MS	A	
26.6.1.4	Immediate assignment / ignore assignment	Phase 2	All MS	A	
26.6.1.5	Immediate assignment after immediate assignment reject	Phase 2	All MS	A	
26.6.2.1.1	Paging / normal / type 1	Phase 2	All MS	A	
26.6.2.1.2	Paging / normal / type 2	Phase 2	All MS	A	
26.6.2.1.3	Paging / normal / type 3	Phase 2	All MS	A	
26.6.2.2	Paging / extended	Phase 2	All MS	A	
26.6.2.3.1	Paging / reorganization / procedure 1	Phase 2	All MS	A	
26.6.2.3.2	Paging / reorganization / procedure 2	Phase 2	All MS	A	
26.6.2.4	Paging / same as before	Phase 2	All MS	A	
26.6.2.5	Paging / multislot CCCH	Phase 2	All MS	A	
26.6.3.1	Measurement / no neighbours	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.6.3.2	Measurement / all neighbours present	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.6.3.3	Measurement / barred cells and non-permitted NCCs	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.6.3.4	Measurement / DTX	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.6.3.5	Measurement / Frequency Formats	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.6.3.6	Measurement / Multiband environment	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.3.7	Measurement / New Cell Reporting	R96	MS supporting CC protocol for at least one bearer capability	C43	

26.6.4.1	Dedicated assignment / successful case	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.4.2.1	Dedicated assignment / failure / failure during active state	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.4.2.2	Dedicated assignment / failure / general case	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.1-1	Handover / successful / active call / non-synchronized, M = 1	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.1-2	Handover / successful / active call / non-synchronized, M = 2	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.1-3	Handover / successful / active call / non-synchronized, M = 3	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.1-4	Handover / successful / active call / non-synchronized, M = 4	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.5.1-5	Handover / successful / active call / non-synchronized, M = 5	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.5.1-6	Handover / successful / active call / non-synchronized, M = 6	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.5.1-7	Handover / successful / active call / non-synchronized, M = 7	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.5.1-8	Handover / successful / active call / non-synchronized, M = 8	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.5.2-1	Handover / successful / call under establishment / non-synchronized, M = 1	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.2-2	Handover / successful / call under establishment / non-synchronized, M = 2	Phase 2	MS which support at least one MO circuit switched basic service and support dual rate channel type	C123	
26.6.5.2-3	Handover / successful / call under establishment / non-synchronized, M = 3	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.2-4	Handover / successful / call under establishment / non-synchronized, M = 4	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.2-5	Handover / successful / call under establishment / non-synchronized, M = 5	Phase 2	MS which support at least one MO circuit switched basic service and support dual rate channel type	C123	
26.6.5.2-6	Handover / successful / call under establishment / non-synchronized, M = 6	Phase 2	MS which support at least one MO circuit switched basic service and support dual rate channel type	C123	
26.6.5.2-7	Handover / successful / call under establishment / non-synchronized, M = 7	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.2-8	Handover / successful / call under establishment / non-synchronized, M = 8	Phase 2	MS which support at least one MO circuit switched basic service	C36	

26.6.5.2-9	Handover / successful / call under establishment / non-synchronized, M = 9	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.2-10	Handover / successful / call under establishment / non-synchronized, M = 10	Phase 2	MS which support at least one MO circuit switched basic service and support dual rate channel type	C123	
26.6.5.3-1	Handover / successful / active call / finely synchronized, M = 1	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.3-2	Handover / successful / active call / finely synchronized, M = 2	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.5.4-1	Handover / successful / call under establishment / finely synchronized, M = 1	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.4-2	Handover / successful / call under establishment / finely synchronized, M = 2	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.4-3	Handover / successful / call under establishment / finely synchronized, M = 3	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.4-4	Handover / successful / call under establishment / finely synchronized, M = 4	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.5.1	Handover / successful / active call / pre-synchronized / Timing Advance IE not included	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.5.2	Handover / successful / call being established / pre-synchronized / timing advance IE is included / reporting of observed time difference requested.	Phase 2	MS which support at least one MO circuit switched basic service	C36	
26.6.5.6	Handover / successful / active call / pseudo synchronized	Phase 2	MS supporting CC protocol for at least one bearer capability and supporting the pseudo synchronized handover procedure	C79	
26.6.5.7	Handover / successful / active call / non-synchronized / reporting of observed time difference requested.	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.8	Handover / layer 3 failure	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.5.9	Handover / layer 1 failure	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.6.1	Frequency redefinition	Phase 2	All MS	A	
26.6.7.1	Test of the channel mode modify procedure / full rate	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.7.2	Test of the channel mode modify procedure / half rate	Phase 2	MS supporting CC protocol for at least one bearer capability and dual rate channel type	C50	
26.6.8.1	Ciphering mode / start ciphering	Phase 2	MS supporting CC protocol for at least one bearer capabilityand supporting encryption algorithm A5/1 and/or A5/2	C47	
26.6.8.2	Ciphering mode / no ciphering	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	

26.6.8.3	Ciphering mode / old cipher key	Phase 2	MS supporting CC state U10 and supporting encryption algorithm A5/1 and/or A5/2	C47	
26.6.8.4	Ciphering mode / change of mode, algorithm and key	Phase 2	All MS	A	
26.6.8.5	Ciphering mode / IMEISV request	Phase 2	All MS	A	
26.6.11.1	Classmark change	Phase 2	MS supporting CC protocol for at least one bearer capability and supporting RF amplification	C48	
26.6.11.2	Classmark interrogation	Phase 2	All MS	A	
26.6.12.1	Channel release / SDCCH	Phase 2	All MS	A	
26.6.12.2	Channel release / SDCCH - no L2 ACK	Phase 2	All MS	A	
26.6.12.3	Channel release / TCH-F	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.12.4	Channel release / TCH-F - no L2 ACK	Phase 2	MS supporting CC protocol for at least one bearer capability	C43	
26.6.13.1	Dedicated assignment with starting time / successful case / time not elapsed	Phase 2	All MS	A	
26.6.13.2	Dedicated assignment with starting time / successful case / time elapsed	Phase 2	All MS	A	
26.6.13.3	Dedicated assignment with starting time and frequency redefinition / failure case / time not elapsed	Phase 2	All MS	A	
26.6.13.4	Dedicated assignment with starting time and frequency redefinition / failure case / time elapsed	Phase 2	All MS	A	
26.6.13.5	Handover with starting time / successful case / time not elapsed	Phase 2	All MS	A	
26.6.13.6	Handover with starting time / successful case / time elapsed	Phase 2	All MS	A	
26.6.13.7	Handover with starting time and frequency redefinition / failure case / time not elapsed	Phase 2	All MS	A	
26.6.13.8	Handover with starting time and frequency redefinition / failure case / time elapsed	Phase 2	All MS	A	
26.6.13.9	Immediate assignment with starting time / successful case / time not elapsed	Phase 2	All MS	A	
26.6.13.10	Immediate assignment with starting time / successful case / time elapsed	Phase 2	All MS	A	
26.7.1	TMSI reallocation	Phase 2	All MS	A	
26.7.2.1	Authentication accepted	Phase 2	All MS	A	
26.7.2.2	Authentication rejected	Phase 2	All MS	A	
26.7.3.1	General Identification	Phase 2	All MS	A	
26.7.3.2	Handling of IMSI shorter than the maximum length	Phase 2	All MS	A	
26.7.4.1	Location updating / accepted	Phase 2	All MS	A	
26.7.4.2.1	Location updating / rejected / IMSI invalid	Phase 2	All MS	A	
26.7.4.2.2-1	Location updating / rejected / PLMN not allowed, test 1	Phase 2	All MS	A	
26.7.4.2.2-2	Location updating / rejected / PLMN not allowed, test 2	Phase 2	All MS	A	
26.7.4.2.3	Location updating / rejected / location area not allowed	Phase 2	All MS	A	
26.7.4.2.4 pr1	Location updating / rejected / national roaming, Procedure 1	Phase 2	All MS	A	

26.7.4.2.4 pr2	Location updating / rejected / national roaming, Procedure 2	Phase 2	All MS	A	
26.7.4.2.4 pr3	Location updating / rejected / national roaming, Procedure 3	Phase 2	All MS	A	
26.7.4.2.4 pr4	Location updating / rejected / national roaming, Procedure 4	Phase 2	All MS	A	
26.7.4.2.4 pr5	Location updating / rejected / national roaming, Procedure 5	Phase 2	MS supporting SIM removal without powering down	C51	
26.7.4.3.1	Location updating / abnormal cases / random access fails	Phase 2	All MS	A	
26.7.4.3.2	Location updating / abnormal cases / attempt counter less or equal to 4, LAI different	Phase 2	All MS	A	
26.7.4.3.3	Location updating / abnormal cases / attempt counter equal to 4	Phase 2	All MS	A	
26.7.4.3.4	Location updating / abnormal cases / attempt counter less or equal to 4, stored LAI equal to broadcast LAI	Phase 2	All MS	A	
26.7.4.4	Location updating / release / expiry of T3240	Phase 2	All MS	A	
26.7.4.5.1	Location updating / periodic spread	Phase 2	All MS	A	
26.7.4.5.2	Location updating / periodic normal / test 1	Phase 2	All MS	A	
26.7.4.5.3	Location updating / periodic normal / test 2	Phase 2	All MS	A	
26.7.4.5.4.1	Location updating / periodic HPLMN search / MS waits time T	Phase 2	All MS	A	
26.7.4.5.4.2	Location updating / periodic HPLMN search / MS in manual mode	Phase 2	All MS	A	
26.7.4.5.4.3	Location updating / periodic HPLMN search / MS waits at least two minutes and at most T minutes	Phase 2	All MS	A	
26.7.4.6	Location updating / interworking of attach and periodic	Phase 2	All MS	A	
26.7.5.2	MM connection / establishment with cipher	Phase 2	All MS	A	
26.7.5.3	MM connection / establishment without cipher	Phase 2	All MS	A	
26.7.5.4	MM connection / establishment rejected	Phase 2	All MS	A	
26.7.5.5	MM connection / establishment rejected cause 4	Phase 2	All MS	A	
26.7.5.6	MM connection / expiry T3230	Phase 2	All MS	A	
26.7.5.7.1	MM connection / abortion by the network / cause #6	Phase 2	All MS	A	
26.7.5.7.2	MM connection / abortion by the network / cause not equal to #6	Phase 2	MS supporting a non call related supplementary service operation	C40	
26.7.5.8.1	MM connection / follow-on request pending / test 1	Phase 2	All MS	A	
26.7.5.8.2	MM connection / follow-on request pending / test 2	Phase 2	All MS	A	
26.7.5.8.3	MM connection / follow-on request pending / test 3	Phase 2	All MS	A	
26.8.1.2.1.1	Outgoing call / U0 null state / MM connection requested	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.2.1	Outgoing call / U0.1 MM connection pending / CM service rejected	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.2.2	Outgoing call / U0.1 MM connection pending / CM service accepted	Phase 2	MS supporting at least one MO circuit switched basic service	C36	

26.8.1.2.2.3	Outgoing call / U0.1 MM connection pending / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.1	Outgoing call / U1 call initiated / receiving CALL PROCEEDING	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.2	Outgoing call / U1 call initiated / rejecting with RELEASE COMPLETE	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.3	Outgoing call / U1 call initiated / T303 expiry	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.4	Outgoing call / U1 call initiated / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.5	Outgoing call / U1 call initiated / receiving ALERTING	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.6	Outgoing call / U1 call initiated / entering state U10	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.3.7	Outgoing call / U1 call initiated / unknown message received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.1	Outgoing call / U3 MS originating call proceeding / ALERTING received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.2	Outgoing call / U3 MS originating call proceeding / CONNECT received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.3	Outgoing call / U3 MS originating call proceeding / PROGRESS received without in band information	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.4	Outgoing call / U3 MS originating call proceeding / PROGRESS with in band information	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.5	Outgoing call / U3 MS originating call proceeding / DISCONNECT with in band tones	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.6	Outgoing call / U3 MS originating call proceeding / DISCONNECT without in band tones	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.7	Outgoing call / U3 MS originating call proceeding / RELEASE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.8	Outgoing call / U3 MS originating call proceeding / termination requested by the user	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.9	Outgoing call / U3 MS originating call proceeding / traffic channel allocation	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.10	Outgoing call / U3 MS originating call proceeding / timer T310 time-out	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.11	Outgoing call / U3 MS originating call proceeding / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.12	Outgoing call / U3 MS originating call proceeding / unknown message received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.4.13	Outgoing call / U3 MS originating call proceeding / Internal alerting indication	Phase 2	MS supporting at least one MO circuit switched basic service for telephony	C56	
26.8.1.2.5.1	Outgoing call / U4 call delivered / CONNECT received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	

26.8.1.2.5.2	Outgoing call / U4 call delivered / termination requested by the user	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.5.3	Outgoing call / U4 call delivered / DISCONNECT with in band tones	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.5.4	Outgoing call / U4 call delivered / DISCONNECT without in band tones	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.5.5	Outgoing call / U4 call delivered / RELEASE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.5.6	Outgoing call / U4 call delivered / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.5.7	Outgoing call / U4 call delivered / traffic channel allocation	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.5.8	Outgoing call / U4 call delivered / unknown message received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.6.1	U10 call active / termination requested by the user	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.6.2	U10 call active / RELEASE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.6.3	U10 call active / DISCONNECT with in band tones	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.6.4	U10 call active / DISCONNECT without in band tones	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.6.5	U10 call active / RELEASE COMPLETE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.6.6	U10 call active / SETUP received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.7.1	U11 disconnect request / clear collision	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.7.2	U11 disconnect request / RELEASE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.7.3	U11 disconnect request / timer T305 time-out	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.7.4	U11 disconnect request / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.7.5	U11 disconnect request / unknown message received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.8.1	U12 disconnect indication / call releasing requested by the user	Phase 2	MS supporting at least one MO circuit switched basic service for telephony	C56	
26.8.1.2.8.2	U12 disconnect indication / RELEASE received	Phase 2	MS supporting at least one MO circuit switched basic service for telephony	C56	
26.8.1.2.8.3	U12 disconnect indication / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service for telephony	C56	
26.8.1.2.8.4	U12 disconnect indication / unknown message received	Phase 2	MS supporting at least one MO circuit switched basic service for telephony	C56	

26.8.1.2.9.1	Outgoing call / U19 release request / timer T308 time-out	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.9.2	Outgoing call / U19 release request / 2nd timer T308 time-out	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.9.3	Outgoing call / U19 release request / RELEASE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.9.4	Outgoing call / U19 release request / RELEASE COMPLETE received	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.2.9.5	Outgoing call / U19 release request / lower layer failure	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.1.3.1.1	Incoming call / U0 null state / SETUP received with a non supported bearer capability	Phase 2	MS supporting CC protocol for at least one Bearer Capability	C43	
26.8.1.3.2.1	Incoming call / U6 call present / automatic call rejection	Phase 2	MS supporting at least one MT circuit switched basic service and supporting refusal of call	C130	
26.8.1.3.3.1	Incoming call / U9 mobile terminating call confirmed / alerting or immediate connecting	Phase 2	MS supporting at least one MT circuit switched basic service	C31	
26.8.1.3.3.2	Incoming call / U9 mobile terminating call confirmed / TCH assignment	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.3.3	Incoming call / U9 mobile terminating call confirmed / termination requested by the user	Phase 2 Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.3.4	Incoming call / U9 mobile terminating call confirmed / DISCONNECT received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.3.5	Incoming call / U9 mobile terminating call confirmed / RELEASE received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.3.6	Incoming call / U9 mobile terminating call confirmed / lower layer failure	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.3.7	Incoming call / U9 mobile terminating call confirmed / unknown message received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.1	Incoming call / U7 call received / call accepted	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.2	Incoming call / U7 call received / termination requested by the user	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	

26.8.1.3.4.3	Incoming call / U7 call received / DISCONNECT received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.4	Incoming call / U7 call received / RELEASE received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.5	Incoming call / U7 call received / lower layer failure	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.6	Incoming call / U7 call received / unknown message received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.7	Incoming call / U7 call received / TCH assignment	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.4.8	Incoming call / U7 call received / RELEASE COMPLETE received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.1	Incoming call / U8 connect request / CONNECT acknowledged	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.2	Incoming call / U8 connect request / timer T313 time-out	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.3	Incoming call / U8 connect request / termination requested by the user	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.4	Incoming call / U8 connect request / DISCONNECT received with in-band information	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.5	Incoming call / U8 connect request / DISCONNECT received without in-band information	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.6	Incoming call / U8 connect request / RELEASE received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.7	Incoming call / U8 connect request / lower layer failure	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	

26.8.1.3.5.8	Incoming call / U8 connect request / TCH assignment	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.3.5.9	Incoming call / U8 connect request / unknown message received	Phase 2	MS supporting at least one MT circuit switched basic service for which immediate connect is not used	C55	
26.8.1.4.1.1	In-call functions / DTMF information transfer / basic procedures	Phase 2	MS supporting at least one MO circuit switched basic service for telephony	C56	
26.8.1.4.2.1	In-call functions / User notification / MS terminated	Phase 2	MS supporting at least one MT circuit switched basic service	C31	
26.8.1.4.3.1	In-call functions / channel changes / a successful channel change in active state/ Handover and Assignment Command	Phase 2	MS supporting at least one MT circuit switched basic service	C31	
26.8.1.4.3.2	In-call functions / channel changes / an unsuccessful channel change in active mode/ Handover and Assignment Command	Phase 2	MS supporting at least one MT circuit switched basic service	C31	
26.8.1.4.4.1	In-call functions / MS terminated in-call modification / modify when new mode is not supported	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.1	In-call functions / MS originated in-call modification / a successful case of modifying	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.2	In-call functions / MS originated in-call modification / modify rejected	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.3	In-call functions / MS originated in-call modification / an abnormal case of acceptance	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.4	In-call functions / MS originated in-call modification / an abnormal case of rejection	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.5	In-call functions / MS originated in-call modification / time-out of timer T323	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.6	In-call functions / MS originated in-call modification / a successful channel change in state mobile originating modify	Phase 2v	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.7	In-call functions / MS originated in-call modification / an unsuccessful channel change in state mobile originating modify	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.8	In-call functions / MS originated in-call modification / unknown message received	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.1.4.5.9	In-call functions / MS originated in-call modification / a release complete received	Phase 2	MS supporting at least one dual mode bearer capability service (BS61, BS81 or TS61)	C58	
26.8.2.1	Call Re-establishment/call present, re-establishment allowed	Phase 2	MS supporting at least one MO circuit switched basic service	C36	

26.8.2.2	Call Re-establishment/call present, re-establishment not allowed	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.2.3	Call Re-establishment/call under establishment, transmission stopped	Phase 2	MS supporting at least one MO circuit switched basic service	C36	
26.8.3	User to user signalling	Phase 2	MS supporting at least one MT circuit switched basic service	C31	
26.9.2	Structured procedures / MS originated call / early assignment	Phase 2	MS supporting at least one teleservice (except emergency call and dual service)	C131	
26.9.3	Structured procedures / MS originated call / late assignment	Phase 2	MS supporting at least one teleservice (except emergency call and dual service)	C131	
26.9.4	Structured procedures / MS terminated call / early assignment	Phase 2	MS supporting at least one teleservice (except emergency call and dual service)	C131	
26.9.5	Structured procedures / MS terminated call / late assignment	Phase 2	MS supporting at least one teleservice (except emergency call and dual service)	C131	
26.9.6.1.1	Structured procedures / emergency call / idle updated / preferred channel rate	Phase 2	MS supporting speech	C52	
26.9.6.1.2	Structured procedures / emergency call / idle updated, non-preferred channel rate	Phase 2	MS supporting half-rate speech	C13	
26.9.6.2.1	Structured procedures / emergency call / idle, no IMSI / accept case	Phase 2	MS supporting speech	C52	
26.9.6.2.2	Structured procedures / emergency call / idle, no IMSI / reject case	Phase 2	MS supporting speech	C52	
26.9.7	Directed Retry / Mobile Originated Call	Phase 2	MS supporting at least one teleservice (except emergency call and dual service)	C131	
26.9.8	Directed Retry / Mobile Terminated Call	Phase 2	MS supporting at least one teleservice (except emergency call and dual service)	C131	
26.10.2.1	E-GSM or R-GSM signalling / RR / Measurement	Phase 2	MS supporting E-GSM or R-GSM and supporting CC protocol for at least one Bearer Capability	C123	
26.10.2.2	E-GSM or R-GSM signalling / RR / Immediate assignment	Phase 2	MS supporting E-GSM or R-GSM	C124	
26.10.2.3	E-GSM or R-GSM signalling / RR / channel assignment procedure	Phase 2	MS supporting E-GSM or R-GSM	C124	
26.10.2.4.1	E-GSM or R-GSM signalling / RR / Handover / Successful handover	Phase 2	MS supporting E-GSM or R-GSM and supporting CC protocol for at least one Bearer Capability	C123	
26.10.2.4.2	E-GSM or R-GSM signalling / RR / Handover / layer 1 failure	Phase 2	MS supporting E-GSM or R-GSM and supporting CC protocol for at least one Bearer Capability	C123	
26.10.2.5	E-GSM or R-GSM signalling / RR / Frequency Redefinition	Phase 2	MS supporting E-GSM or R-GSM	C124	
26.10.3.1	E-GSM or R-GSM signalling / Structured procedure / Mobile originated call	Phase 2	MS supporting E-GSM or R-GSM and supporting at least one MO teleservice	C125	
26.10.3.2	E-GSM or R-GSM signalling / Structured procedures / emergency call	Phase 2	MS supporting E-GSM or R-GSM and supporting speech	C126	

26.11.2.1	Multiband signalling / RR / Immediate assignment procedure	Phase 2	MS supporting simultaneous multiband operation	C76	
26.11.2.2.1	Multiband signalling / RR / Handover / successful / active call / non-synchronized	Phase 2	MS supporting simultaneous multiband operation and supporting CC protocol for at least one Bearer Capability	C78	
26.11.2.2.2	Multiband signalling / RR / Handover / layer 1 failure	Phase 2	MS supporting simultaneous multiband operation and supporting CC protocol for at least one Bearer Capability	C78	
26.11.2.2.3	Multiband signalling / RR / Handover / Multiband BCCH / successful / active call / non synchronized	Phase 2	MS supporting simultaneous multiband operation and supporting CC protocol	C87	
26.11.2.2.4	Multiband signalling / RR / Handover/ Multiband BCCH / Intracell Handover - Interband Assignment	Phase 2	MS supporting simultaneous multiband operation and supporting CC protocol	C87	
26.11.2.3	Multiband signalling / RR / Measurement reporting	Phase 2	MS supporting simultaneous multiband operation and supporting CC protocol for at least one Bearer Capability	C78	
26.11.3.1.1	Multiband signalling / MM / Location updating / accepted	Phase 2	MS supporting simultaneous multiband operation	C76	
26.11.3.1.2	Multiband signalling / MM / Location updating / periodic	Phase 2	MS supporting simultaneous multiband operation	C76	
26.11.5.1	Multiband signalling / Structured procedures / MS originated call / early assignment	Phase 2	MS supporting simultaneous multiband operation and supporting at least one MO teleservice	C127	
26.11.5.2	Multiband signalling / Structured procedures / MS terminated call / late assignment	Phase 2	MS supporting simultaneous multiband operation and supporting at least one MT teleservice	C127	
26.12.1	EFR signalling / test of the channel mode modify procedure	Phase 2	MS supporting EFR speech	C83	
26.12.2.1	EFR signalling / Handover / active call / successful case	Phase 2	MS supporting EFR speech	C83	
26.12.3	EFR signalling / Structured procedures / MS originated call / late assignment	Phase 2	MS supporting EFR speech and at least one MO circuit switched basic service	C84	
26.12.4	EFR signalling / Structured procedures / MS terminated call / early assignment	Phase 2	MS supporting EFR speech and at least one MT circuit switched basic service	C85	
26.12.5	EFR signalling / Structured procedures / emergency call	Phase 2	MS supporting EFR speech	C83	
26.12.6	EFR Signalling / Directed Retry / Mobile Originated Call	Phase 2	MS supporting EFR speech	C83	
26.12.7	EFR Signalling / Directed Retry / Mobile Terminated Call	Phase 2	MS supporting EFR speech	C83	
26.13.1.1.1	Multislot signalling / RR / Measurement symmetric	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.1.2	Multislot signalling / RR / Measurement asymmetric	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	

26.13.1.1.3	Multislot signalling / RR / Measurement asymmetric/Change of the reported subchannel	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.2.1	Multislot signalling / RR / Dedicated assignment / successful case	R96	HSCSD Multislot MS	C86	
26.13.1.2.2	Multislot signalling / RR / Dedicated assignment / failure / general case	R96	HSCSD Multislot MS	C86	
26.13.1.3.1	Multislot signalling / RR / Handover / successful / active call / non-synchronized	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.3.2	Multislot signalling / RR / Handover / successful / call under establishment / non-synchronized / resource upgrading	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.3.3	Multislot signalling / RR / Handover / successful / active call / finely synchronized / resource downgrading	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.3.4	Multislot signalling / RR / Handover / successful / call under establishment / finely synchronized / relocation of channels	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.3.5	Multislot signalling / RR / Handover / successful / call under establishment / pre- synchronized / resource upgrading	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.4	Multislot signalling / RR / Test of the channel mode modify procedure	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.1.5	Multislot signalling / RR / Early classmark sending	R96	HSCSD Multislot MS	C86	
26.13.2.1.1	Multislot signalling / CC / In-call functions / User initiated service level upgrade / successful	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.2.1.2	Multislot signalling / CC / In-call functions / User initiated service level downgrade / successful	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.2.1.3	Multislot signalling / CC / In-call functions / User initiated service level upgrade / Time-out of T323	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.2.1.4	Multislot signalling / CC / In-call functions / User initiated service level upgrade / modify reject	R96	MS supporting Multislot class and CC protocol for at least one Bearer Capability	C87	
26.13.3.1	Multislot signalling / Structured procedures / MS originated call / early assignment / HSCSD / non-transparent	R96	MS supporting Multislot class and at least one MO circuit switched basic service	C88	
26.13.3.2	Multislot signalling / Structured procedures / MS originated call / late assignment / HSCSD / non-transparent	R96	MS supporting Multislot class and at least one MO circuit switched basic service	C88	
26.13.3.3	Multislot signalling / Structured procedures / MS originated call / early assignment / HSCSD / transparent	R96	MS supporting Multislot class and at least one MO circuit switched basic service	C88	
26.13.3.4	Multislot signalling / Structured procedures / MS terminated call / early assignment / HSCSD / non-transparent	R96	MS supporting Multislot class and at least one MT circuit switched basic service	C89	

26.13.3.5	Multislot signalling / Structured procedures / MS terminated call / early assignment / HSCSD / transparent	R96	MS supporting Multislot class and at least one MT circuit switched basic service	C89	
26.14.1.1	Notification / notification indication	R96	MS supporting VGCS or VBS listening	C104	
26.14.1.2	Notification / NCH position	R96	MS supporting VGCS or VBS listening	C104	
26.14.1.3	Notification / Reduced NCH monitoring	R96	MS supporting VGCS or VBS listening and reduced monitoring	C105	
26.14.1.4	Notification / limited service	R96	MS supporting VGCS or VBS listening	C104	
26.14.2.1	Paging / Paging indication	R96	MS supporting VGCS or VBS listening	C104	
26.14.2.2	Paging / Notification	R96	MS supporting VGCS or VBS listening	C104	
26.14.3.1	RR Procedures / frequency redefinition	R96	MS supporting VGCS talking or VBS originating	C106	
26.14.3.2	RR Procedures / assignment	R96	MS supporting VGCS talking or VBS originating	C106	
26.14.3.3	RR Procedures / handover / successful in group transmit mode	R96	MS supporting VGCS talking or VBS originating	C106	
26.14.3.4	RR Procedures / handover / successful at group call establishment	R96	MS supporting VGCS/VBS originating	C107	
26.14.3.5	RR Procedures / handover / failure	R96	MS supporting VGCS talking or VBS originating	C106	
26.14.3.6.1	RR Procedures / Measurement / all neighbours present	R96	MS supporting VGCS talking or VBS originating	C106	
26.14.4.1	Uplink Access / uplink investigation	R96	MS supporting VGCS talking	C108	
26.14.4.2	Uplink Access / uplink access	R96	MS supporting VGCS talking	C108	
26.14.4.3	Uplink Reply in VGCS receive mode	R96	MS supporting VGCS talking	C108	
26.14.5.1	Leaving group receive mode	R96	MS supporting VGCS/VBS listening	C104	
26.14.5.2	Leaving group transmit mode	R96	MS supporting VGCS talking	C108	
26.14.6.1	GCC/BCC Procedures / MO call establishment	R96	MS supporting VGCS/VBS originating	C107	
26.14.6.2	GCC/BCC Procedures / Transaction Identifier	R96	MS supporting VGCS talking or VBS originating	C106	
26.14.6.3	GCC/BCC Procedures / Call Termination / originator / group transmit mode	R96	MS supporting VGCS/VBS originating	C107	
26.14.6.4	GCC/BCC Procedures / Call Termination / originator/ group receive mode	R96	MS supporting VGCS originating	C109	
26.14.6.5	GCC/BCC Procedures / Call Termination / not originator	R96	MS supporting VGCS listening	C128	
26.14.6.6	GCC/BCC Procedures / GCC states	R96	MS supporting VGCS talking	C108	
26.14.6.7	GCC/BCC Procedures / BCC states	R96	MS supporting VBS originating	C110	
26.14.7.1	Error Handling / short message length, unknown message type and TI	R96	MS supporting VGCS or VBS originating	C107	
26.14.7.2	Error Handling / incorrect information elements	R96	MS supporting VGCS or VBS listening	C104	
26.14.7.3	Error Handling / Message not addressing VGCS receive mode	R96	MS supporting VGCS or VBS listening	C104	
26.14.8.1	Structured procedures / very early and early assingments	R96	MS supporting VGCS or VBS originating	C107	

26.14.9.1	Cell change / same LA	R96	MS supporting VGCS or VBS listening	C104	
26.14.9.2	Cell change / different LA	R96	MS supporting VGCS or VBS listening	C104	
26.14.9.3	Cell change / different PLMN	R96	MS supporting VGCS or VBS listening	C104	
26.14.11.1	VGCS-VBS / User-to-Dispatcher Information / BCC MO call	Release 4	MS supporting VGCS or VBS originating	C104	
26.14.11.2	VGCS-VBS / User-to-Dispatcher information / GCC MO call	Release 4	MS supporting VGCS or VBS listening	C104	
26.14.11.3	VGCS-VBS / User-to-Dispatcher information / Compressed user information in VBS fast call set-up	Release 4	MS supporting VGCS or VBS listening	C104	
26.14.11.4	VGCS-VBS / User-to-Dispatcher information / Compressed User-to-Dispatcher information in VGCS fast call set-up	Release 4	MS supporting VGCS or VBS listening	C104	
26.15.2.1	SoLSA signalling// RR / classmark interrogation	R99	MS supporting SoLSA	C207	
26.15.3.1.1	SoLSA signalling/ MM / location updating	R99	MS supporting SoLSA	C207	
26.15.3.2	SoLSA signalling/ MM / MM information	R99	MS supporting SoLSA	C207	
26.15.4.1	SoLSA signalling/ CC / call re-establishment / call present	R99	MS supporting SoLSA	C207	
26.15.5.1	SoLSA signalling/ structured procedures / MS originated call / early assignment	R99	MS supporting SoLSA	C207	
26.15.5.2	SoLSA signalling/ structured procedures / MS originated call / late assignment	R99	MS supporting SoLSA	C207	
26.15.5.3	SoLSA signalling/ structured procedures / MS terminated call / early assignment	R99	MS supporting SoLSA	C207	
26.15.5.4	SoLSA signalling/ structured procedures / MS terminated call / late assignment	R99	MS supporting SoLSA	C207	
26.15.5.5	SoLSA signalling/ structured procedures / emergency call / idle updated	R99	MS supporting SoLSA	C207	
26.15.5.6	SoLSA signalling/ structured procedures / emergency call / idle, no IMSI	R99	MS supporting SoLSA	C207	
26.16.1	Adaptive Multi Rate Signalling/ Adaptive Multi Rate Signalling/	R99	MS supporting AMR	C203	
26.16.2	Adaptive Multi Rate Signalling/ Inband Signalling, Uplink Codec Adaptation	R99	MS supporting AMR	C203	
26.16.3	Adaptive Multi Rate Signalling/ Structured procedures / MS terminated call / early assignment / no initial codec mode	R99	MS supporting AMR	C203	
26.16.4	Adaptive Multi Rate Signalling/ Structured procedures / MS originated call / late assignment / specified initial codec mode	R99	MS supporting AMR	C203	
26.16.5	Adaptive Multi Rate Signalling/ AMR signalling / Handover / active call / successful case	R99	MS supporting AMR	C203	
26.16.6	Adaptive Multi Rate Signalling/ Structured procedures / emergency call	R99	MS supporting AMR	C203	
26.16.7	Adaptive Multi Rate Signalling/ AMR Signalling / Directed Retry / Mobile Originated Call	R99	MS supporting AMR	C203	

26.16.8	Adaptive Multi Rate Signalling/ AMR Signalling / Directed Retry / Mobile Terminated Call	R99	MS supporting AMR	C203	
27.1.1	MS identification by short IMSI - Normal case	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.1.2	MS identification by short IMSI - Phase 1 DCS SIM	Phase 2	DCS ME supporting either ID-1 or Plug-in SIM	C129	
27.2	MS identification by short TMSI	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.3	MS identification by long TMSI	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.4	MS identification by long IMSI, TMSI updating and cipher key sequence number assignment	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.5	Forbidden PLMNs, location updating and undefined cipher key	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.6	MS updating forbidden PLMNs	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.7	MS deleting forbidden PLMNs	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.8	MS updating the PLMN selector list	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.9	MS recognizing the priority order of the PLMN selector list	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.10	MS access control management	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.1.1	Bit/character duration during the transmission from the ME to the SIM	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.1.2	Bit/character duration during the transmission from the SIM simulator to the ME	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.1.3	Inter-character delay	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.1.4	Error handling during the transmission from the ME to the SIM simulator	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.1.5	Error handling during transmission from the SIM simulator to the ME	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.2.2	Acceptance of SIMs with active low RST	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.2.3	Characters of the answer to reset	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.2.4	PTS procedure	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.2.5	Reset repetition	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.2.6	Speed Enhancement	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.11.3	Command processing, procedure bytes	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.12.1	Operating speed in authentication procedure	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.12.2	Clock stop	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.13.1	Contact pressure	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.13.2	Shape of contacts for IC card SIM card reader	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.14.1	Entry of PIN	Phase 2	All ME	A	
27.14.2	Change of PIN	Phase 2	All ME	A	
27.14.3	Disabling the PIN	Phase 2	ME supporting either ID-1 or Plug-in SIM and supporting a feature to disable the PIN	C15	

27.14.4	PUK entry	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.14.5	Entry of PIN2	Phase 2	ME supporting a feature requiring entry of PIN2 (e.g. AoC or FDN)	C21	
27.14.6	Change of PIN2	Phase 2	ME supporting PIN2	C132	
27.14.7	PUK2 entry	Phase 2	ME supporting either ID-1 or Plug-in SIM and supporting PIN2	C17	
27.15	Abbreviated Dialling Numbers (ADN)	Phase 2	ME supporting either ID-1 or Plug-in SIM and supporting ADN	C14	
27.16	MMI reaction to SIM status encoding	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.17.1.1	Electrical tests - Phase preceding ME power on	Phase 2	All ME	A	
27.17.1.2 (a)	Electrical tests - Phase during SIM power on - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.1.2 (b)	Electrical tests - Phase during SIM power on - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	
27.17.1.2 (c-1)	Electrical tests - Phase during SIM power on - 3V/5V SIM interface	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.2 (c-2)	Electrical tests - Phase during SIM power on - 3V/5V SIM interface	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.2 (d)	Electrical tests - Phase during SIM power on – 1,8V SIM interface	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.1.2 (e)	Electrical tests - Phase during SIM power on – 1,8V/3V SIM interface	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.1.3 (a)	Electrical tests - Phase during ME power off with clock stop forbidden - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.1.3 (c)	Electrical tests - Phase during ME power off with clock stop forbidden - 3V/5V SIM interface	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.4 (a)	Phase during ME power off with clock stop allowed - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.1.4 (b)	Phase during ME power off with clock stop allowed - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	
27.17.1.4 (c-1)	Phase during ME power off with clock stop allowed - 3V/5V SIM interface, soft power down	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.4 (c-2)	Phase during ME power off with clock stop allowed - 3V/5V SIM interface, 3V/5V switching	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.4 (d)	Phase during ME power off with clock stop allowed – 1,8V SIM interface, soft power down	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.1.4 (e)	Phase during ME power off with clock stop allowed - 1,8V/3V SIM interface, soft power down	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.1.5.1	Reaction of 3V only MEs on SIM type recognition failure	Phase 2	ME with a 3V SIM interface	C81	
27.17.1.5.2	Reaction of 3V only MEs on type recognition of 5V only SIMs	Phase 2	ME with a 3V SIM interface	C81	
27.17.1.5.3	Reaction of 3V technology MEs on type recognition of 5V only SIMs	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.5.4	Reaction of 3V technology MEs on type recognition of 3V technology SIMs	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.1.5.5	Reaction of 1,8V only MEs on SIM type recognition failure	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.1.5.6	Reaction of 1,8V only MEs on type recognition of 3V only SIMs	Phase 2	ME with a 1,8V SIM interface	C91	

27.17.1.5.7	Reaction of 1,8V technology MEs on type recognition of 3V technology SIMs	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.1.5.8	Reaction of 1,8V technology MEs on type recognition of 1,8V technology SIMs	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.2.1.1 (a)	Electrical tests on contact C1, Test 1 - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.2.1.1 (b)	Electrical tests on contact C1, Test 1 - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	
27.17.2.1.1 (c-1)	Electrical tests on contact C1, Test 1 - 3V/5V SIM interface, 5V operation mode	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.1.1 (c-2)	Electrical tests on contact C1, Test 1- 3V/5V SIM interface, 3V operation mode	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.1.1 (d)	Electrical tests on contact C1, Test 1 – 1,8V SIM interface	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.2.1.1 (e)	Electrical tests on contact C1, Test 1 – 1,8V/3V SIM interface, 3V operation mode	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.2.1.2 (a)	Electrical tests on contact C1, Test 2 - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.2.1.2 (b)	Electrical tests on contact C1, Test 2 - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	
27.17.2.1.2 (c-1)	Electrical tests on contact C1, Test 2 - 3V/5V SIM interface, 5V operation mode	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.1.2 (c-2)	Electrical tests on contact C1, Test 2 - 3V/5V SIM interface, 3V operation mode	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.1.2 (d)	Electrical tests on contact C1, Test 2 – 1,8V SIM interface	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.2.1.2 (e)	Electrical tests on contact C1, Test 2 – 1,8V/3V SIM interface, 3V operation mode	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.2.2 (a)	Electrical tests on contact C2 - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.2.2 (b)	Electrical tests on contact C2 - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	
27.17.2.2 (c-1)	Electrical tests on contact C2 - 3V/5V SIM interface, 5V operation mode	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.2 (c-2)	Electrical tests on contact C2 - 3V/5V SIM interface, 3V operation mode	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.2 (d)	Electrical tests on contact C2 - 1,8V SIM interface	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.2.2 (e)	Electrical tests on contact C2 - 1,8V/3V SIM interface, 3V operation mode	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.2.3 (a)	Electrical tests on contact C3 - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.2.3 (b)	Electrical tests on contact C3 - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	
27.17.2.3 (c)	Electrical tests on contact C3 - 3V/5V SIM interface	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.3 (d)	Electrical tests on contact C3 - 1,8V SIM interface	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.2.3 (e)	Electrical tests on contact C3 - 1,8V/3V SIM interface, 3V operation mode	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.17.2.5 (a)	Electrical tests on contact C7 - 5V SIM interface	Phase 2	ME with a 5V SIM interface	C80	
27.17.2.5 (b)	Electrical tests on contact C7 - 3V SIM interface	Phase 2	ME with a 3V SIM interface	C81	

27.17.2.5 (c)	Electrical tests on contact C7 - 3V/5V SIM interface	Phase 2	ME with a 3V/5V SIM interface	C82	
27.17.2.5 (d)	Electrical tests on contact C7- 1,8V SIM interface	Phase 2	ME with a 1,8V SIM interface	C91	
27.17.2.5 (e)	Electrical tests on contact C7 - 1,8V/3V SIM interface, 3V operation mode	Phase 2	ME with a 1,8V/3V SIM interface	C101	
27.18.1.1	ME and SIM with FND activated, EF_{ADN} invalidated and not readable or updatable	R96	ME supporting either ID-1 or Plug-in SIM and supporting FDN	C16	
27.18.2	ME and SIM with FND deactivated	Phase 2	ME supporting either ID-1 or Plug-in SIM and supporting FDN	C16	
27.18.3	Enabling, disabling and updating of FND	Phase 2	ME supporting either ID-1 or Plug-in SIM and supporting FDN	C16	
27.19	Phase identification	Phase 2	ME supporting either ID-1 or Plug-in SIM	C14	
27.20	SIM presence detection	Phase 2	All ME	A	
27.21.1	AoC not supported by SIM	Phase 2	ME supporting AoCC	C4	
27.21.2	Maximum frequency of ACM updating	Phase 2	ME supporting AoC (AoCC & AoCI)	C3	
27.21.3	Call terminated when ACM greater than ACMmax	Phase 2	ME supporting AoCC	C4	
27.21.4	Response codes of increase command	Phase 2	ME supporting AoCC	C4	
27.22.1	Initialisation of SIM Application Toolkit Enabled SIM by SIM Application Toolkit Enabled ME (Profile Download)	OnlyR96	ME supporting SIM Application Toolkit.	C251	
27.22.2	Contents of the TERMINAL PROFILE command	OnlyR96	ME supporting SIM Application Toolkit.	C251	
27.22.3	Servicing of Proactive SIM Commands	OnlyR96	ME supporting the Proactive SIM facility.	C252	
27.22.4.1	Proactive SIM Command: DISPLAY TEXT	OnlyR96	ME supporting the DISPLAY TEXT proactive SIM facility.	C253	
27.22.4.2	Proactive SIM Command: GET INKEY	OnlyR96	ME supporting the GET INKEY proactive SIM facility.	C254	
27.22.4.3	Proactive SIM Command: GET INPUT	OnlyR96	ME supporting the GET INPUT proactive SIM facility.	C255	
27.22.4.4	Proactive SIM Command: MORE TIME	OnlyR96	ME supporting the MORE TIME proactive SIM facility.	C256	
27.22.4.5	Proactive SIM Command: PLAY TONE	OnlyR96	ME supporting the PLAY TONE proactive SIM facility.	C257	
27.22.4.6	Proactive SIM Command: POLL INTERVAL	OnlyR96	ME supporting the POLL INTERVAL proactive SIM facility.	C258	
27.22.4.7	Proactive SIM Command: REFRESH	OnlyR96	ME supporting the REFRESH proactive SIM facility.	C259	
27.22.4.8	Proactive SIM Command: SET UP MENU	OnlyR96	ME supporting the SET UP MENU proactive SIM facility.	C260	
27.22.4.9	Proactive SIM Command: SELECT ITEM	OnlyR96	ME supporting the SELECT ITEM proactive SIM facility.	C261	
27.22.4.10	Proactive SIM Command: SEND SHORT MESSAGE	OnlyR96	ME supporting the SEND SHORT MESSAGE proactive SIM facility.	C262	
27.22.4.11	Proactive SIM Command: SEND SS	OnlyR96	ME supporting the SEND SS proactive SIM facility.	C263	

27.22.4.12	Proactive SIM Command: SEND USSD	OnlyR96	ME supporting the SEND USSD proactive SIM facility.	FFS	
27.22.4.13	Proactive SIM Command: SET UP CALL	OnlyR96	ME supporting the SET UP CALL proactive SIM facility.	C264	
27.22.4.14	Proactive SIM Command: POLLING OFF	OnlyR96	ME supporting the POLLING OFF proactive SIM facility.	C265	
27.22.4.15	Proactive SIM Command: PROVIDE LOCAL INFORMATION	OnlyR96	ME supporting the PROVIDE LOCAL INFORMATION proactive SIM facility.	C266	
27.22.5.1	SMS-PP Data Download	OnlyR96	ME supporting the SMS-PP data download facility.	C267	
27.22.5.2	SMS-CB Data Download	OnlyR96	ME supporting the SMS-CB data download facility.	C267	
27.22.5.3	Menu Selection	OnlyR96	ME supporting the Menu Selection facility.	C268	
27.22.6.1	Call control: Procedure for mobile originated calls	OnlyR96	ME supporting the call control by SIM facility.	C269	
27.22.6.2	Call control: Procedure for Supplementary Services	OnlyR96	ME supporting the call control by SIM facility.	C269	
27.22.6.3	Call control: Interaction with Fixed Dialling Number	OnlyR96	ME supporting both the call control by SIM facility and Fixed Dialling Numbers (FDN)	C270	
27.22.6.4	Call control: Support of Barred Dialling number (BDN) service	OnlyR96	ME supporting both the call control by SIM facility and Barred Dialling Numbers (BDN).	C271	
28.2	Constraining the access to a single number (GSM 02.07 category 3)	Phase 2	MS supporting autocalling	C7	
28.3	Constraining the access to a single number (GSM 02.07 categories 1 and 2)	Phase 2	MS supporting autocalling	C7	
28.4	Behaviour of the MS when its list of blacklisted numbers is full	Phase 2	MS capable of autocalling more than M B-party numbers	C8	
29.2.1	Verification of synchronization	Phase 2	MS supporting data services in transparent mode	C23	
29.2.2	Filtering of channel control information for transparent BCs	Phase 2	MS supporting the MT2 configuration	C122	
29.2.3.1	Negotiation of Radio Channel Requirement (RCR)	Phase 2	MS supporting data services in transparent mode	C23	
29.2.3.2	Negotiation of Connection Element (CE)	Phase 2	MS supporting at least one transparent data service and supporting the MT2 configuration	C25	
29.2.3.3	Negotiation of Number of Stop Bits, Number of Data bits, and Parity	Phase 2	MS supporting asynchronous data services	C6	
29.2.3.4	Negotiation of Modem Type	Phase 2	MS supporting non-transparent data services	C22	
29.2.3.5	Negotiation of Intermediate Rate	Phase 2	MS supporting non-transparent services on a TCH/F with a user rate of 4,8 kbit/s or lower	C10	
29.2.3.6	Negotiation of User Information Layer 2 Protocol	Phase 2	MS supporting asynchronous bearer services in non-transparent mode	C5	
29.2.3.7	Negotiation between TS 61 and TS 62: Mobile Originated call.	Phase 2	MS supporting TS 61	C26	

29.2.3.8	Negotiation between TS 61 and TS 62: Mobile Terminated call.	Phase 2	MS supporting TS 62 and not supporting TS 61	C28	
29.2.4	Data Rate Adaptation for Synchronous Transparent Bearer Capabilities	Phase 2	MS supporting MT2 configuration or any other possibility to send data over Um interface	C18	
29.2.6.1	Data Rate Adaptation	Phase 2	MS supporting MT0 or MT2 configuration and supporting data over the Um-interface and supporting asynchronous data Bearer services	C18	
29.2.6.2	Passage of the Break Signal	Phase 2	MS supporting MT2 configuration	C122	
29.2.6.3	Overspeed/Underspeed Handling (Local Terminal)	Phase 2	MS supporting MT2 configuration	C122	
29.2.6.4	Overspeed/Underspeed Handling (Remote Terminal)	Phase 2	MS supporting MT2 configuration	C122	
29.2.7	Interchange circuit mapping for transparent bearer capabilities	Phase 2	MS supporting MT2 configuration	C122	
29.3.1.1	Normal initialization done by the MS	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.1.2.1	Loss of UA frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.1.2.2	Total loss of UA frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.2.1	N(S) sequence number	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.2.2	Transmission window	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.2.3	Busy condition	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.3.1	N(R) sequence number	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.3.2	Busy condition	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.4.1	REJ frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.4.2.	SREJ frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.4.3	I+S reject frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.5.1	Rejection with REJ or SREJ supervisory frames	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.5.2	Retransmission of REJ or SREJ frames	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.5.3	I+S reject frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.1	SS in checkpoint recovery mode	Phase 2	MS supporting at least one non-transparent bearer service	C22	

29.3.2.6.2	End of the window	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.3	End of a sequence	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.4	Time-out of one frame	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.5	No response to checkpointing	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.6	Incorrect response to checkpointing	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.7	Total loss of response to checkpointing	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.8	Retransmission of a sequence	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.2.6.9	N2 retransmission of a sequence	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.3.1	Negotiation initiated by the SS	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.3.2	Negotiation initiated by the MS	Phase 2	MS supporting at least one non-transparent bearer service and supporting the use of non-default RLP parameters	C120	
29.3.3.3	Collision of XID frames	Phase 2	MS supporting at least one non-transparent bearer service and supporting the use of non-default RLP parameters	C120	
29.3.3.4	Loss of XID frames	Phase 2	MS supporting at least one non-transparent bearer service	C22	
29.3.3.5	Total loss of XID frames	Phase 2	MS supporting at least one non-transparent bearer service and supporting the use of non-default RLP parameters	C120	
29.4.2.1.1	Mobile originated call, Call establishment procedure, Alternate speech / facsimile	Phase 2	MS supporting TS61	C26	
29.4.2.1.2	Mobile originated call, Call establishment procedure, Automatic facsimile	Phase 2	MS supporting TS62	C27	
29.4.2.2	Pre-message procedure	Phase 2	MS supporting TS 61 and/or TS62	C29	
29.4.2.3	Message procedure	Phase 2	MS supporting TS 61 and/or TS62	C29	
29.4.2.4	Post-message procedure	Phase 2	MS supporting TS 61 and/or TS62	C29	
29.4.2.5	Call release procedure	Phase 2	MS supporting TS 61 and/or TS62	C29	
29.4.2.6	CTC processing - 4th PPR for the same block	Phase 2	MS supporting TS 61 and/or TS62 and supporting the error correction mode	C30	
29.4.2.7	Transition from Facsimile to Speech - Procedure interrupt generated by receiving station	Phase 2	MS supporting TS61	C26	

29.4.2.8	Transition from Facsimile to Speech - Procedure interrupt generated by transmitting station	Phase 2	MS supporting TS61	C26	
29.4.2.9	Quality check	Phase 2	MS supporting transparent facsimile group 3 (TS62)	C27	
29.4.3.1.1.1	Mobile terminated call, Call Establishment Procedure, Alternate Speech/Facsimile, DCD Mobile Terminated	Phase 2	MS supporting TS61	C26	
29.4.3.1.1.2	Mobile terminated call, Call Establishment Procedure, Alternate Speech/Facsimile, DCD mobile originated	Phase 2	MS supporting TS61	C26	
29.4.3.1.2	Mobile terminated call, Call Establishment Procedure, Automatic facsimile	Phase 2	MS supporting TS62	C27	
29.4.3.2	Pre-message procedure	Phase 2	MS supporting TS61 and/or TS62	C29	
29.4.3.3	Message procedure	Phase 2	MS supporting TS61 and/or TS62	C29	
29.4.3.4	Post-message procedure	Phase 2	MS supporting TS61 and/or TS62	C29	
29.4.3.5	Call release procedure	Phase 2	MS supporting TS61 and/or TS62	C29	
29.4.3.6	Speed conversion factor	Phase 2	MS supporting TS61 and/or TS62	C29	
29.4.3.7	Quality Check	Phase 2	MS supporting TS61	C26	
30.1	Sending sensitivity/frequency response	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.2	Sending loudness rating	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.3	Receiving sensitivity/frequency response	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.4	Receiving loudness rating	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.5.1	Side Tone Masking Rating (STMR)	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.5.2	Listener Side Tone Rating (LSTR)	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.6.1	Echo Loss (EL)	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.6.2	Stability margin	Phase 2 up to and including release 1999	MS supporting speech	C24	
30.7.1	Distortion, Sending	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.7.2	Distortion, Receiving	Phase 2	MS with handset and supporting speech	C121	
30.8	Sidetone distortion	Phase 2	MS with handset and supporting speech	C121	

30.9.1	Out-of-band signals, Sending	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.9.2	Out-of-band signals, Receiving	Phase 2 up to and including release 1999	MS with handset and supporting speech	C121	
30.10.1	Idle channel noise, Sending	Phase 2	MS with handset and supporting speech	C121	
30.10.2	Idle channel noise, Receiving	Phase 2	MS with handset and supporting speech	C121	
30.11	Ambient Noise Rejection	R96 up to and including release 1999	MS with handset and supporting speech	C121	
30.12	Sending sensitivity/frequency response	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.13	Sending loudness rating	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.14	Receiving sensitivity/frequency response	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.15	Receiving loudness rating	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.16	Side Tone Masking Rating (STMR)	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.17.1	Echo Loss (EL)	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.17.2	Stability margin	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.18	Distortion, Sending	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
30.19	Ambient Noise Rejection	Release 4	MS with handset and supporting speech except dual mode GSM/3GPP release 4 or later handsets	C280	
31.1.1.1	CLIP/ Normal operation	Phase 2	MS supporting the SS CLIP	C197	
31.1.1.2.1	CLIP/ Interrogation accepted	Phase 2	MS supporting the SS CLIP	C197	
31.1.1.2.2	CLIP/ Interrogation rejected	Phase 2	MS supporting the SS CLIP	C197	
31.1.2.1	CLIR/ Normal operation - requesting presentation of CLI	Phase 2	MS supporting the SS CLIR	C197	
31.1.2.2	CLIR/ Normal operation - requesting restriction of CLI presentation	Phase 2	MS supporting the SS CLIR	C198	
31.1.2.3.1	CLIR/Interrogation accepted	Phase 2	MS supporting the SS CLIR	C198	
31.1.2.3.2	CLIR/Interrogation rejected	Phase 2	MS supporting the SS CLIR	C198	
31.1.3.1	COLP/ Interrogation accepted	Phase 2	MS supporting the SS COLP	C199	

31.1.3.2.1	COLP/ Interrogation accepted	Phase 2	MS supporting the SS COLP	C199	
31.1.3.2.2	COLP/ Interrogation rejected	Phase 2	MS supporting the SS COLP	C199	
31.1.4.1.1	COLR/ Interrogation accepted	Phase 2	MS supporting the SS COLR	C200	
31.1.4.1.2	COLR/ Interrogation rejected	Phase 2	MS supporting the SS COLR	C200	
31.1.4.2	COLR - Normal operation	Phase 2	All MS	A	
31.2.1.1.1	Call forwarding supplementary services, Registration accepted	Phase 2	MS supporting the SSs CFNRy or CFU	C64	
31.2.1.1.2	Call forwarding supplementary services, Registration rejected	Phase 2	MS supporting the SSs CFB or CFU or CFNRc or CFNRy	C65	
31.2.1.2.1	Call forwarding supplementary services, Erasure accepted	Phase 2	MS supporting the SSs CFB or CFNRc or CFNRy	C66	
31.2.1.2.2	Call forwarding supplementary services, Erasure rejected	Phase 2	MS supporting the SSs CFNRy or CFU	C64	
31.2.1.3	Call forwarding supplementary services, Activation	Phase 2	MS supporting the SSs CFB or CFU or CFNRc or CFNRy	C65	
31.2.1.4	Call forwarding supplementary services, Deactivation	Phase 2	MS supporting the SSs CFB or CFNRc or CFNRy	C66	
31.2.1.6.1	Call forwarding supplementary services, Interrogation accepted	Phase 2	MS supporting the SSs CFB or CFNRc or CFNRy	C66	
31.2.1.6.2	Call forwarding supplementary services, Interrogation rejected	Phase 2	MS supporting the SSs CFB or CFNRc	C133	
31.2.1.7.1.1	Call forwarding supplementary services, Notification during an incoming call	Phase 2	MS supporting CFB	C67	
31.2.1.7.1.2	Call forwarding supplementary services, Notification during an outgoing call	Phase 2	MS supporting the SSs CFB or CFU or CFNRc or CFNRy	C65	
31.2.1.7.2	Call forwarding supplementary services, Forwarded-to mobile subscriber side	Phase 2	MS supporting the SSs CFB or CFU or CFNRc or CFNRy	C65	
31.2.2	Call transfer and mobile access hunting supplementary services	Phase 2	Reserved		
31.3.1.1	Call completion supplementary services, Waiting call indication and confirmation	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.2.1	Call completion supplementary services, Waiting call accepted; existing call released	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.2.3	Call completion supplementary services, Existing call released by user A; waiting call accepted	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.3.1	Call completion supplementary services, Waiting call released by subscriber B	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.3.2	Call completion supplementary services, Waiting call released by calling user C	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.4	Call completion supplementary services, Activation	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.5	Call completion supplementary services, Deactivation	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.6.1	Call completion supplementary services, Interrogation accepted	Phase 2	MS supporting Call Waiting SS	C196	
31.3.1.6.2	Call completion supplementary services, Interrogation rejected	Phase 2	MS supporting Call Waiting SS	C196	
31.3.2.1	Call completion supplementary services, Hold invocation	Phase 2	MS supporting Call Hold SS	C195	
31.3.2.2	Call completion supplementary services, Retrieve procedure	Phase 2	MS supporting Call Hold SS	C195	

31.3.2.3	Call completion supplementary services, Alternate from one call to the other	Phase 2	MS supporting Call Hold SS	C195	
31.4.1.1	Multi-party supplementary services, Beginning the MultiParty service, successful case	Phase 2	MS supporting Multi Party SS	C194	
31.4.1.2	Multi-party supplementary services, Beginning the MultiParty service, unsuccessful case	Phase 2	MS supporting Multi Party SS	C194	
31.4.1.3	Multi-party supplementary services, Beginning the MultiParty service, expiry of timer T(BuildMPTY)	Phase 2	MS supporting Multi Party SS	C194	
31.4.2.1.1	Multi-party supplementary services, Put the MultiParty call on hold	Phase 2	MS supporting Multi Party SS	C194	
31.4.2.1.2	Multi-party supplementary services, Create a private communication with one of the remote parties	Phase 2	MS supporting Multi Party SS	C194	
31.4.2.1.3	Multi-party supplementary services, Terminate the entire MultiParty call	Phase 2	MS supporting Multi Party SS	C194	
31.4.2.1.4	Multi-party supplementary services, Explicitly disconnect a remote party	Phase 2	MS supporting Multi Party SS	C194	
31.4.2.2.1	Multi-party supplementary services, Release from the MultiParty call	Phase 2	MS supporting Multi Party SS	C194	
31.4.3.1.1	Multi-party supplementary services, Retrieve the held MultiParty call, successful case	Phase 2	MS supporting Multi Party SS	C194	
31.4.3.1.2	Multi-party supplementary services, Retrieve the held MultiParty call, unsuccessful case	Phase 2	MS supporting Multi Party SS	C194	
31.4.3.1.3	Multi-party supplementary services, Retrieve the held MultiParty call, expiry of timer T(RetrieveMPTY)	Phase 2	MS supporting Multi Party SS	C194	
31.4.3.2	Multi-party supplementary services, Initiate a new call	Phase 2	MS supporting Multi Party SS	C194	
31.4.3.3	Multi-party supplementary services, Process a call waiting request	Phase 2	MS supporting Multi Party SS	C194	
31.4.3.4	Multi-party supplementary services, Terminate the held MultiParty call	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.1.1	Multi-party supplementary services, Disconnect the single call	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.1.2.3	Clear all parties of held MultiParty call	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.1.2.4	Clear all parties of active MultiParty call	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.2	Multi-party supplementary services, Disconnect all calls	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.3.1	Multi-party supplementary services, Add the single call to the MPTY, successful case	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.3.2	Multi-party supplementary services, Add the single call to the MPTY, maximum number of participants exceeded	Phase 2	MS supporting Multi Party SS	C194	
31.4.4.4	Multi-party supplementary services, Alternate between the MPTY call and the single call	Phase 2	MS supporting Multi Party SS	C194	
31.4.5	Multi-party supplementary services, Adding extra remote parties	Phase 2	MS supporting Multi Party SS	C194	
31.5	Community of interest supplementary services	Phase 2	*Reserved*		
31.6.1.1	AOC time related charging / MS originated call	Phase 2	MS supporting AoCC	C4	
31.6.1.2	AOC time related charging / MS terminated call	Phase 2	MS supporting AoCC	C4	

31.6.1.3	AOC volume related charging / MS originated call	Phase 2	*Reserved*		
31.6.1.4	AOC volume related charging / MS terminated call	Phase 2	*Reserved*		
31.6.1.5	Change in charging information during a call	Phase 2	MS supporting AoCC	C4	
31.6.1.6	Different formats of charging information	Phase 2	MS supporting AoCC	C4	
31.6.1.7	AOC on a Call Hold call	Phase 2	MS supporting AoCC and call hold	C70	
31.6.1.8	AOC on a Multi-party call	Phase 2	MS supporting AoCC and multiparty service	C71	
31.6.2.1	Removal of SIM during an active call	Phase 2	MS supporting AoCC and SIM removal without powering down	C69	
31.6.2.2	Interruption of power supply during an active call	Phase 2	MS supporting AoCC	C4	
31.6.2.3	MS going out of coverage during an active AOCC call	Phase 2	MS supporting AoCC	C4	
31.6.2.4	ACMmax operation / Mobile Originating	Phase 2	MS supporting AoCC	C4	
31.6.2.5	ACMmax operation / Mobile Terminating	Phase 2	MS supporting AoCC	C4	
31.6.3.1	AoCI time related charging / MS originated call	Phase 2	MS supporting AoCI	C59	
31.6.3.2	AoCI time related charging / MS terminated call	Phase 2	MS supporting AoCI	C59	
31.6.3.5	Change in charging information during a call	Phase 2	MS supporting AoCI	C59	
31.6.3.6	Different formats of charging information	Phase 2	MS supporting AoCI	C59	
31.6.3.7	AoCI on a Call Hold call	Phase 2	MS supporting AoCI	C59	
31.6.3.8	AoCI on a Multi-party call	Phase 2	MS supporting AoCI	C59	
31.7	Additional information transfer supplementary services	Phase 2	*Reserved*		
31.8.1.1	Registration accepted	Phase 2	MS supporting the SS BOIC or BAIC or BOICextHC or BICRoam or BAOC	C62	
31.8.1.2.1	Rejection after invoke of the RegisterPassword operation	Phase 2	MS supporting the SS BOIC or BAIC or BOICextHC or BICRoam or BAOC	C62	
31.8.1.2.2	Rejection after password check with negative result	Phase 2	MS supporting the SS BOIC or BAIC or BOICextHC or BICRoam or BAOC	C62	
31.8.1.2.3	Rejection after new password mismatch	Phase 2	MS supporting the SS BOIC or BAIC or BOICextHC or BICRoam or BAOC	C62	
31.8.3.1	Activation accepted	Phase 2	MS supporting the SSs BIC Roam and BAOC	C68	
31.8.3.2.1	Rejection after invoke of ActivateSS operation	Phase 2	MS supporting the SS BOIC (Barring of Outgoing International Calls)	C134	
31.8.3.2.2	Rejection after use of password procedure	Phase 2	MS supporting the SS BAIC (Barring of All Incoming Calls)	C135	
31.8.4.1	Deactivation accepted	Phase 2	MS supporting the SS BOIC or BAIC or BOICextHC or BICRoam or BAOC	C62	
31.8.4.2.1	Rejection after invoke of DeactivateSS operation	Phase 2	MS supporting the SS BOIC (Barring of Outgoing International Calls)	C134	

31.8.4.2.2	Rejection after use of password procedure	Phase 2	MS supporting the SS BOICexHC	C136	
31.8.6.1	Interrogation accepted	Phase 2	MS supporting the SS BOICexHC or BAIC	C137	
31.8.6.2	Interrogation rejected	Phase 2	MS supporting the SS BOIC or BICRoam	C138	
31.8.7	Normal operation	Phase 2	MS supporting the SS BOIC (Barring of Outgoing International Calls)	C134	

31.9.1.1	ProcessUnstructuredSS-request/accepted	Phase 2	MS supporting USSD	C139	
31.9.1.2	ProcessUnstructuredSS-request/cross phase compatibility and error handling	Phase 2	MS supporting USSD and supporting CC protocol for at least one Bearer Capability	C140	
31.9.2.1	UnstructuredSS-Notify/accepted	Phase 2	MS supporting USSD and supporting CC protocol for at least one Bearer Capability	C140	
31.9.2.2	UnstructuredSS-Notify/rejected on user busy	Phase 2	MS supporting USSD and supporting CC protocol for at least one Bearer Capability	C140	
31.9.2.3	UnstructuredSS-Request/accepted	Phase 2	MS supporting USSD and supporting CC protocol for at least one Bearer Capability	C140	
31.9.2.4	UnstructuredSS-Request/rejected on user busy	Phase 2	MS supporting USSD and supporting CC protocol for at least one Bearer Capability	C140	
31.10	MMI input for USSD	Phase 2	All MS	A	
31.12.1	eMLPP Service / priority level of MO call	R96	MS supporting eMLPP and TS11	C111	
31.12.2	eMLPP Service / automatic answering point-to-point MT call	R96	MS supporting eMLPP, HOLD, CW and TS11	C112	
31.12.3	eMLPP Service / automatic answering MT VGCS or VBS call	R96	MS supporting eMLPP and supporting VGCS or VBS listening	C113	
31.12.4	eMLPP Service / registration	R96	MS supporting eMLPP	C114	
31.12.5	eMLPP Service / interrogation	R96	MS supporting eMLPP	C114	
31.13.1.1	Explicit Call Transfer invocation, successful case, both calls active, clearing using DISCONNECT	R96	MS supporting Explicit Call Transfer SS	C193	
31.13.1.2	Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE	R96	MS supporting Explicit Call Transfer SS	C193	
31.13.1.3	Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE COMPLETE	R96	MS supporting Explicit Call Transfer SS	C193	
31.13.1.4	Explicit Call Transfer invocation, successful case, second call alerting	R96	MS supporting Explicit Call Transfer SS	C193	
31.13.1.5	Explicit Call Transfer invocation, unsuccessful case	R96	MS supporting Explicit Call Transfer SS	C193	
31.13.1.6	Explicit Call Transfer invocation, expiry of T(ECT)	R96	MS supporting Explicit Call Transfer SS	C193	
31.14.1.1	UUS / Implicit UUS1 / CC MO call	R99	MS supporting Implicit User-to-User Signaling SS	C192	
31.14.1.2	UUS / Implicit UUS1 / CC MT call	R99	MS supporting Implicit User-to-User Signaling SS	C192	
31.14.1.3	UUS / Implicit UUS1 / Interactions with Call Waiting and call HOLD supplementary services	R99	MS supporting Implicit User-to-User Signaling SS	C192	
31.15.1	Follow Me (FM) / Registration	R99	MS supporting Follow Me SS	C191	
31.15.2	Follow Me (FM) / Interrogation	R99	MS supporting Follow Me SS	C191	
31.15.3	Follow Me (FM) / Erasure	R99	MS supporting Follow Me SS	C191	
32.1	Full Rate Downlink speech transcoding	Phase 2	MS supporting speech	C24	
32.2	Full Rate Downlink receiver DTX functions	Phase 2	MS supporting speech	C24	
32.3	Full Rate Uplink speech transcoding	Phase 2	MS supporting speech	C24	

32.4	Full Rate Uplink transmitter DTX functions	Phase 2	MS supporting speech	C24	
32.5.4	Full Rate Speech channel transmission delay - Downlink processing delay	Phase 2	MS supporting speech	C24	
32.5.5	Full Rate Speech channel transmission delay -Downlink coding delay	Phase 2	MS supporting speech	C24	
32.5.6	Full Rate Speech channel transmission delay -Uplink processing delay	Phase 2	MS supporting speech	C24	
32.5.7	Full Rate Speech channel transmission delay -Uplink coding delay	Phase 2	MS supporting speech	C24	
32.6	Half Rate Downlink speech transcoding	Phase 2	MS supporting half rate speech	C13	
32.7	Half Rate Downlink receiver DTX functions	Phase 2	MS supporting half rate speech	C13	
32.8	Half Rate Uplink speech transcoding	Phase 2	MS supporting half rate speech	C13	
32.9	Half Rate Uplink transmitter DTX functions	Phase 2	MS supporting half rate speech	C13	

32.10.4	Half Rate Speech channel transmission delay - Downlink processing delay	Phase 2	MS supporting half rate speech	C13	
32.10.5	Half Rate Speech channel transmission delay - Downlink coding delay	Phase 2	MS supporting half rate speech	C13	
32.10.6	Half Rate Speech channel transmission delay - Uplink processing delay	Phase 2	MS supporting half rate speech	C13	
32.10.7	Half Rate Speech channel transmission delay - Uplink coding delay	Phase 2	MS supporting half rate speech	C13	
32.11	Intra cell channel change from a TCH/HS to a TCH/FS	Phase 2	MS supporting half rate speech	C13	
32.12	Intra cell channel change from a TCH/FS to a TCH/HS	Phase 2	MS supporting half rate speech	C13	
33.1	Entry and display of called number	Phase 2	All MS supporting display of called number	C190	
33.2.4	Ringing tone	Phase 2	All MSMS supporting audible indication of service tones	C206	
33.2.5	Busy tone	Phase 2	MS supporting audible indication of service tonesAll MS	C206	
33.2.6	Congestion tone	Phase 2	MS supporting audible indication of service tonesAll MS	C206	
33.2.7	Authentication failure tone	Phase 2	MS supporting audible indication of service tonesAll MS	C206	
33.2.8	Number unobtainable tone	Phase 2	MS supporting audible indication of service tonesAll MS	C206	
33.2.9	Call dropped tone	Phase 2	MS supporting audible indication of service tonesAll MS	C206	
33.3	Network selection / indication	Phase 2	All MS	A	
33.4	Invalid and blocked PIN indicators	Phase 2	All MS	A	
33.5	Service indicator	Phase 2	All MS supporting Service indicator	C201	
33.6	Subscription identity management	Phase 2	All MS supporting Subscription identity management	C202	
33.7	Barring of outgoing calls	Phase 2	MS supporting barring of outgoing calls	C9	
33.8	Prevention of unauthorized calls	Phase 2	MS supporting barring of outgoing calls	C9	
34.2.1	SMS mobile terminated	Phase 2	MS supporting SMS MT/PP and supporting CC protocol for at least one Bearer Capability	C72	
34.2.2	SMS mobile originated	Phase 2	MS supporting SMS MO/PP and supporting CC protocol for at least one Bearer Capability	C73	
34.2.3	Test of memory full condition and memory available notification:	Phase 2	MS supporting SMS MT/PP and storing of short messages in the SIM	C74	
34.2.4	Test of the status report capabilities and of SMS-COMMAND:	Phase 2	MS supporting SMS MT/PP and SMS MO/PP and supporting SMS status report capabilities	C141	
34.2.5.1	Short message class 0	Phase 2	MS supporting SMS MT/PP and display of received short messages	C142	

34.2.5.2	Test of class 1 short messages	Phase 2	MS supporting storing of received Class I Short Messages and display of stored Short Messages	C143	
34.2.5.3	Test of class 2 short messages	Phase 2	MS supporting storing of received Class II Short Messages in the SIM	C74	
34.2.7	Test of the replace mechanism for SM type 1-7	Phase 2	MS supporting Replace Short Messages and display of received Short Messages	C144	
34.2.8	Test of the reply path scheme	Phase 2	MS supporting reply procedures, display of received Short Messages and submitting Short Messages	C145	
34.2.9.1	Multiple SMS mobile originated / MS in idle mode	Phase 2	MS supporting the ability of sending multiple short messages on the same RR connection	C272	
34.2.9.2	Multiple SMS mobile originated / MS in active mode	Phase 2	MS supporting the ability of sending multiple short messages when there is a call in progress	C220	
34.3	Short message service cell broadcast	Phase 2	All MS supporting SMS CB	C199	
35	Low battery voltage detection	Phase 2	All MS	A	
36	Individual equipment type requirements and interworking - special conformance testing functions	Phase 2	*Reserved*		

37	Reserved for future use				
38	Reserved for future use				
39..2.1	PLMN interface/CTS not allowed by the network	R98	MS supporting GSM-CTS	C208	
39.3.1	PLMN interface/CTS not allowed by the network	R98	MS supporting GSM-CTS supporting GSM 900, R-GSM or DCS 1800	C209	
39.3.2	PLMN interface/CTS not allowed by the network	R98	MS supporting GSM-CTS supporting GSM 900, R-GSM or DCS 1800	C209	
39.3.3	PLMN interface/CTS not allowed by the network	R98	MS supporting GSM-CTS supporting GSM 900, R-GSM or DCS 1800	C209	
39.3.4	PLMN interface/CTS not allowed by the network	R98	MS supporting GSM-CTS supporting GSM 900, R-GSM or DCS 1800	C209	
39.5.3.1.1.1	Elementary Procedures/System Access/Not corresponding FPBI	R98	MS supporting GSM-CTS	C208	
39.5.3.1.1.2	Elementary Procedures/Retransmission of CTS Access Request	R98	MS supporting GSM-CTS	C208	
39.5.3.1.1.3	Elementary Procedures/No Access Request FP in busy state	R98	MS supporting GSM-CTS	C208	
39.5.3.1.2.1	Immediate Assignment/ Immediate Assignment success	R98	MS supporting GSM-CTS	C208	
39.5.3.1.2.2	Immediate Assignment/ Immediate Assignment rejection	R98	MS supporting GSM-CTS	C208	
39.5.3.1.2.3	Immediate Assignment/ Ignore Assignment	R98	MS supporting GSM-CTS	C208	
39.5.3.1.3.1	Paging/paging with current CTS-MSI	R98	MS supporting GSM-CTS	C208	
39.5.3.1.3.2	Paging/paging with invalid CTS-MSI	R98	MS supporting GSM-CTS	C208	
39.5.3.1.4	Reserved				
39.5.3.1.5	Reserved				
39.5.3.1.6	Reserved				
39.5.3.1.7	Reserved				
39.5.3.1.8	Reserved				
39.5.3.1.9.1	Channel Release/TCH-F L2 Ack	R98	MS supporting GSM-CTS	C208	
39.5.3.1.9.2	Channel Release/TCH-F no L2 Ack	R98	MS supporting GSM-CTS	C208	
39.5.3.1.10.1	Authentication/Local Mutual Authentication failure	R98	MS supporting GSM-CTS	C208	
39.5.3.1.11	Reserved				
39.5.3.1.12	Reserved				
39.5.3.1.13.1	Radio Link Management/Measurement and Reporting	R98	MS supporting GSM-CTS	C208	
39.5.3.1.13.2	Total Frequency Hopping list update	R98	MS supporting GSM-CTS	C208	
39.5.3.2.1.1	Structured Procedures/Attachment	R98	MS supporting GSM-CTS	C208	
39.5.3.2.2.1	Detachment/CTS detachment upon CTS-MS power off	R98	MS supporting GSM-CTS	C208	
39.5.3.2.3	Reserved				
39.5.3.2.4	Reserved				
39.5.3.2.5	Reserved				
39.5.3.2.6	Reserved				
39.5.3.2.7.1	Handover/successful/active call	R98	MS supporting GSM-CTS	C208	
39.5.3.2.8	Handover/Layer 1failure	R98	MS supporting GSM-CTS	C208	
39.5.3.3.1.1	Initialisation/enrolment/Enrolment with non CTS SIM	R98	MS supporting GSM-CTS	C208	

39.5.3.3.1.2	CTS-FP not ready for Enrolment	R98	MS supporting GSM-CTS	C208	
39.5.3.3.2	Reserved				
39.5.3.3.3.1	De-enrolment/Attached CTS_MS de-enrolment	R98	MS supporting GSM-CTS	C208	
41.1.1.1	RR / Paging / on PCCCH for GPRS service / normal paging with P-TMSI successful.	R97	All GPRS MS	C215	
41.1.1.2	RR / Paging / on PCCCH for GPRS service / normal paging with IMSI successful	R97	All GPRS MS	C215	
41.1.1.3	RR / Paging / on PCCCH for GPRS service / extended paging with P-TMSI successful	R97	All GPRS MS	C215	
41.1.1.4	RR / Paging / on PCCCH for GPRS service / paging reorganisation successful	R97	All GPRS MS	C215	
41.1.2	RR / Paging / on PCCCH for circuit-switched services / paging successful	R97	MS supporting GPRS mode A or B	C226	
41.1.3	RR / Paging / on PCCCH / paging ignored	R97	All GPRS MS	C215	
41.1.4.1	RR / Paging / on PACCH for circuit-switched services/ paging successful	R97	MS supporting GPRS mode A or mode B	C226	
41.1.4.2	RR / Paging / on PACCH for circuit-switched services/ paging ignored	R97	MS supporting GPRS mode A or B	C226	
41.1.5.1.1	RR / Paging / on CCCH for GPRS service / normal paging with P-TMSI successful	R97	All GPRS MS	C215	
41.1.5.1.2	RR / Paging / on CCCH for GPRS service / normal paging with IMSI successful	R97	All GPRS MS	C215	
41.1.5.1.3	RR / Paging / on CCCH for GPRS service / normal paging with P-TMSI ignored	R97	All GPRS MS	C215	
41.1.5.2.1	RR / Paging / on CCCH for GPRS service / extended paging with P-TMSI successful	R97	All GPRS MS	C215	
41.1.5.3	RR / Paging / on CCCH for GPRS service / paging reorganisation	R97	All GPRS MS	C215	
41.1.5.4	RR / Paging / on CCCH for GPRS service / default message contents	R97	All GPRS MS	C215	
41.1.6	RR / Paging / Before T3172 expiry	R97	All GPRS MS	C215	
41.2.1.1	Permission to access the network / priority classes	R97	All GPRS MS	C215	
41.2.2.1	Initiation of the packet access procedure / establishment causes	R97	All GPRS MS	C215	
41.2.2.2	Random references for single block packet access	R97	All GPRS MS	C215	
41.2.2.3	Random references for one phase packet access	R97	All GPRS MS	C215	
41.2.2.4	Initiation of the packet access procedure / timer T3146	R97	All GPRS MS	C215	
41.2.2.5	Initiation of the packet access procedure / Request Reference	R97	All GPRS MS	C215	
41.2.3.1	Two-message assignment / Successful case	R97	All GPRS MS	C215	
41.2.3.2	Two-message assignment / Failure cases	R97	All GPRS MS	C215	
41.2.3.3	Packet uplink assignment / Polling bit set	R97	All GPRS MS	C215	
41.2.3.4	One phase packet access / Contention resolution / Successful case	R97	All GPRS MS	C215	

41.2.3.5	One phase packet access / Contention resolution / TLLI mismatch	R97	All GPRS MS	C215	
41.2.3.6	One phase packet access / Contention resolution / Counter N3104	R97	All GPRS MS	C215	
41.2.3.7	One phase packet access / Contention resolution / Timer T3166	R97	All GPRS MS	C215	
41.2.3.8	One phase packet access / Contention resolution / 4 access repetition attempts	R97	All GPRS MS	C215	
41.2.3.9	One phase packet access / TBF starting time	R97	All GPRS MS	C215	
41.2.3.10	One phase packet access / Timing Advance Index present	R97	All GPRS MS	C215	
41.2.3.11	One phase packet access / Timing Advance Index not present	R97	All GPRS MS	C215	
41.2.4.1	Single block packet access / Packet Resource Request	R97	All GPRS MS	C215	
41.2.4.2	Single block packet access / Packet Measurement Report	R97	All GPRS MS	C215	
41.2.5.1	Packet access rejection / wait indication	R97	All GPRS MS	C215	
41.2.5.2	Packet access rejection / assignment before T3142 expires	R97	All GPRS MS	C215	
41.2.6.1	Initiation of packet downlink assignment procedure / MS listens to correct CCCH block	R97	All GPRS MS	C215	
41.2.6.2	Initiation of packet downlink assignment procedure / timer T3190	R97	All GPRS MS	C215	
41.2.6.3	Initiation of packet downlink assignment procedure / TBF starting time	R97	All GPRS MS	C215	
41.2.6.4	Initiation of packet downlink assignment procedure / incorrect TFI	R97	All GPRS MS	C215	
41.2.7.1	Single block packet downlink assignment / TBF Starting Time	R97	All GPRS MS	C215	
41.2.7.2	Single block packet downlink assignment / MS returns to packet idle mode	R97	All GPRS MS	C215	
41.3.1.1	TBF Release / Uplink / Normal / MS initiated / Acknowledged mode	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.1.2	TBF Release / Uplink / Normal / MS initiated / Unacknowledged mode	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.1.3	TBF Release / Uplink / Normal / MS initiated / Channel coding change during countdown	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.2.1	TBF Release / Uplink / Normal / Network initiated / Acknowledged mode	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.2.2	TBF Release / Uplink / Normal / Network initiated / Unacknowledged mode	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.3	TBF Release / Uplink / Network initiated / Abnormal release	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.4.1	TBF Release / Downlink / Normal / Network initiated / Acknowledged mode	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.4.2	TBF Release / Downlink / Normal / Network initiated / Unacknowledged mode	R97	All GPRS MS supporting activation of at least one PDP context	C222	

41.3.5.1	PDCH Release / Without TIMESLOTS_AVAILABLE	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.3.5.2	PDCH Release / With TIMESLOTS_AVAILABLE	R97	All GPRS MS supporting activation of at least one PDP context	C222	
41.4.2.1	Immediate Assignment / Contention resolution failure	R97	All GPRS MS	C215	
41.4.2.2	Immediate Assignment / Use of DCCH for Uplink TBF Establishment	R97	All GPRS MS	C215	
41.4.2.3	Immediate Assignment / Use of DCCH for Downlink TBF Establishment	R97	All GPRS MS	C215	
41.4.3.1	Assignment Command	R97	All GPRS MS	C215	
41.4.3.2	Handover	R97	All GPRS MS	C215	
41.4.3.3.1	Successful case	R97	All GPRS MS	C215	
41.4.3.3.2	Failure / T3132 expires	R97	All GPRS MS	C215	
41.4.3.4.1	Successful case / Normal procedure	R97	All GPRS MS	C215	
41.4.3.4.2	Successful case / DCCH on the target cell	R97	All GPRS MS	C215	
41.4.3.4.3	Failure / Immediate Assignment Reject on CCCH of the target cell	R97	All GPRS MS	C215	
41.4.3.4.4	Failure / Packet Access Reject on PCCCH of the target cell	R97	All GPRS MS	C215	
41.4.3.4.5	Failure / T3134 expiry	R97	All GPRS MS	C215	
41.4.3.4.6	Contention resolution failure / GPRS supported using BCCH	R97	All GPRS MS	C215	
41.4.3.4.7	Contention resolution failure / GPRS supported using PBCCH / Timer or counter expiry	R97	All GPRS MS	C215	
41.4.3.4.8	Contention resolution failure / GPRS supported using PBCCH / TLLI mismatch	R97	All GPRS MS	C215	
41.4.3.5	Release	R97	All GPRS MS	C215	
41.4.3.6	Radio link failure	R97	All GPRS MS	C215	
42.1.1.1	Packet Channel Request / Message format	R97	All GPRS MS	C215	
42.1.1.2	Packet Channel Request / Response to Packet Paging	R97	All GPRS MS	C215	
42.1.1.3	Packet Channel Request / Access type	R97	All GPRS MS	C215	
42.1.1.4.1	Packet Channel Request / Access persistence control on PRACH / M+1 attempts	R97	All GPRS MS	C215	
42.1.1.4.2	Packet Channel Request / Access persistence control on PRACH / Persistence level	R97	All GPRS MS	C215	
42.1.1.4.3	Packet Channel Request / Access persistence control on PRACH / Successive Attempts	R97	All GPRS MS	C215	
42.1.2.1.1.1	Packet Uplink Assignment / Packet queuing notification / Stop sending Packet Channel Requests	R97	All GPRS MS	C215	
42.1.2.1.1.2	Packet Uplink Assignment / Packet queuing notification / Ignoring Packet Queuing Notification	R97	All GPRS MS	C215	
42.1.2.1.1.3	Packet Uplink Assignment / Packet queuing notification / Assigned PDCHs	R97	All GPRS MS	C215	
42.1.2.1.1.4	Packet Uplink Assignment / Packet queuing notification / Expiry of timer T3162	R97	All GPRS MS	C215	
42.1.2.1.2	Packet Uplink Assignment / Response to packet polling request	R97	All GPRS MS	C215	

42.1.2.1.3.1	Packet Uplink Assignment / Packet access reject / Action during Wait_Indication	R97	All GPRS MS	C215	
42.1.2.1.3.2	Packet Uplink Assignment / Packet access reject / No respond	R97	All GPRS MS	C215	
42.1.2.1.3.3	Packet Uplink Assignment / Packet access reject / PRACH Control Parameter decoding	R97	All GPRS MS	C215	
42.1.2.1.4	Packet Uplink Assignment / Packet Uplink Assignment handling	R97	All GPRS MS	C215	
42.1.2.1.5	Packet Uplink Assignment / One or two phase access	R97	All GPRS MS	C215	
42.1.2.1.6	Packet Uplink Assignment / Decoding of frequency parameters	R97	All GPRS MS	C215	
42.1.2.1.7	Packet Uplink Assignment / Most recently received Packet Uplink Assignment	R97	All GPRS MS	C215	
42.1.2.1.8.1.1	Packet Uplink Assignment / One phase access / Contention resolution / Inclusion of TLLI in RLC data blocks	R97	All GPRS MS	C215	
42.1.2.1.8.1.2	Packet Uplink Assignment / One phase access / Contention resolution / Counter N3104	R97	All GPRS MS	C215	
42.1.2.1.8.1.3	Packet Uplink Assignment / One phase access / Contention resolution / Timer T3166	R97	All GPRS MS	C215	
42.1.2.1.8.1.4	Packet Uplink Assignment / One phase access / Contention resolution / TLLI mismatch	R97	All GPRS MS	C215	
42.1.2.1.8.1.5	Packet Uplink Assignment / One phase access / Contention resolution / 4 access repetition attempts	R97	All GPRS MS	C215	
42.1.2.1.8.2.1	Packet Uplink Assignment / One phase access / Timing Advance / TA Index present	R97	All GPRS MS	C215	
42.1.2.1.8.2.2	Packet Uplink Assignment / One phase access / Timing Advance / TA Index not present	R98	All GPRS MS	C215	
42.1.2.1.8.2.3	Packet Uplink Assignment / One phase access / Timing Advance / TA value field not provided	R97	All GPRS MS	C215	
42.1.2.1.9.1	Packet Uplink Assignment / Two phase access / Packet Resource Request / RLC Octet Count	R97	All GPRS MS	C215	
42.1.2.1.9.2.1	Packet Uplink Assignment / Two phase access / Contention resolution / Expiry of timer T3168	R97	All GPRS MS	C215	
42.1.2.1.9.2.2	Packet Uplink Assignment / Two phase access / Contention resolution / TLLI mismatch	R97	All GPRS MS	C215	
42.1.2.1.9.3	Packet Uplink Assignment / Two phase access / Packet Resource Request / No respond to Packet Downlink Assignment	R99	All GPRS MS	C215	
42.1.2.1.10.1	Packet Uplink Assignment / Abnormal cases / Incorrect PDCH assignment	R97	All GPRS MS	C215	
42.1.2.1.10.2	Packet Uplink Assignment / Abnormal cases / Expiry of timer T3164	R97	All GPRS MS	C215	
42.1.2.1.11	Non DRX mode on PCCCH	R97	All GPRS MS	C19	
42.1.2.1.12	Variable PBCCH and PSI scheduling	R97	All GPRS MS	C215	

42.1.2.1.13	Several PCCCHs supported by the cell	R97	All GPRS MS	C215	
42.1.2.2.1	Packet Downlink Assignment / Response to poll bit	R97	All GPRS MS	C215	
42.1.2.2.2	Packet Downlink Assignment / PCCCH monitoring	R97	All GPRS MS	C215	
42.1.2.2.3	Packet Downlink Assignment / Frequency hopping	R97	All GPRS MS	C215	
42.1.2.2.4	Packet Downlink Assignment / Response to Packet Polling	R97	All GPRS MS	C215	
42.1.2.2.5.1	Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment	R97	All GPRS MS	C215	
42.1.2.2.5.2	Packet Downlink Assignment / Abnormal cases / Expiry of timer T3190	R97	All GPRS MS	C215	
42.2.1.1	One phase access	R97	All GPRS MS	C215	
42.2.1.2	Two phase access	R97	All GPRS MS	C215	
42.2.2.1.1	Fixed Allocation / Uplink Transfer / Normal operation / Blocks	R97	All GPRS MS	C215	
42.2.2.1.2-p1	Fixed Allocation / Uplink Transfer / Normal operation / Block Periods	R97	Procedure 1: All GPRS MS	C215	
42.2.2.1.2-p2	Fixed Allocation / Uplink Transfer / Normal operation / Block Periods	R97	Procedure 2: GPRS MS not operating in multislot classes 1,2,4 or 8	C227	
42.2.2.2	Fixed Allocation / Uplink Transfer / Operation with TS_OVERRIDE for single-slot TX	R97	All GPRS MS	C215	
42.2.2.3	Fixed Allocation / Uplink Transfer / Operation with TS_OVERRIDE for multi-slot TX	R97	GPRS MS not operating in multislot classes 1,2,4 or 8	C227	
42.2.2.4	Fixed Allocation / Uplink Transfer / T3184 Expiry	R97	All GPRS MS	C282	
42.2.2.5.1	Fixed Allocation / Uplink Transfer / T3188/Expiry	R97	All GPRS MS	C215	
42.2.2.5.2	Fixed Allocation / Uplink Transfer / T3188/Stop with Packet Uplink Assignment	R97	All GPRS MS	C215	
42.2.2.5.3	Fixed Allocation / Uplink Transfer / T3188/Stop with Packet Uplink Ack/Nack with REPEAT_ALLOCATION	R97	All GPRS MS	C215	
42.2.2.6.1	Fixed Allocation / Uplink Transfer / MS requests new resources/ T3168/Expiry	R97	All GPRS MS	C215	
42.2.2.6.2	Fixed Allocation / Uplink Transfer / MS requests new resources/ T3168/Stop with Packet Uplink Assignment	R97	All GPRS MS	C215	
42.2.2.6.3	Fixed Allocation / Uplink Transfer / MS requests new resources/ T3168/Stop with Packet Uplink Ack/Nack with REPEAT_ALLOCATION	R97	All GPRS MS	C215	
42.2.2.6.4	Fixed Allocation / Uplink Transfer / MS requests new resources/ T3168/Stop with Packet Access Reject	R97	All GPRS MS	C215	
42.2.2.6.5	Fixed Allocation / Uplink Transfer / MS requests new resources/ T3168/Continue with Packet Uplink Ack/Nack without REPEAT_ALLOCATION and without ALLOCATION_BITMAP	R97	All GPRS MS	C215	

42.2.2.7.1	Fixed Allocation / Uplink Transfer / MS requests new resources/ Successful/Packet Uplink Assignment with ALLOCATION_BITMAP	R97	All GPRS MS	C215	
42.2.2.7.2	Fixed Allocation / Uplink Transfer / MS requests new resources/ Successful/Multiple Packet Uplink Assignments	R97	All GPRS MS	C215	
42.2.2.7.3	Fixed Allocation / Uplink Transfer / MS requests new resources/ Successful/Packet Uplink Ack/Nack with ALLOCATION_BITMAP	R97	All GPRS MS	C215	
42.2.2.7.4	Fixed Allocation / Uplink Transfer / MS requests new resources/ Successful/Multiple Packet Uplink Ack/Nack with ALLOCATION_BITMAP	R97	All GPRS MS	C215	
42.2.2.7.5	Fixed Allocation / Uplink Transfer / MS requests new resources/ Successful/Multiple Packet Uplink Ack/Nack with REPEAT_ALLOCATION	R97	All GPRS MS	C215	
42.2.2.8.1	Fixed Allocation / Uplink Transfer / MS requests new resources/ Failure/Packet Access Reject	R97	All GPRS MS	C215	
42.2.2.8.2	Fixed Allocation / Uplink Transfer / MS requests new resources/ Failure/Packet Access Reject with WAIT_INDICATION during allocation in progress	R97	All GPRS MS	C215	
42.2.2.9	Fixed Allocation / Uplink Transfer / Network initiates new resources	R97	All GPRS MS	C215	
42.2.2.10.1	Fixed Allocation / Uplink Transfer / PACCH operation/ Normal Operation	R97	GPRS MS supporting multislot class 3 and above	C228	
42.2.2.10.2	Fixed Allocation / Uplink Transfer / PACCH operation/ PACCH message addressed to another MS	R97	GPRS MS supporting multislot class 3 and above	C228	
42.2.2.10.3	Fixed Allocation/ Uplink Transfer / Abnormal cases / PACCH timeslot removed	R97	GPRS MS supporting multislot class 3 and above	C228	
42.2.2.11.1	Fixed Allocation/ Uplink Transfer / Abnormal cases / Assignment without fixed allocation	R97	All GPRS MS	C215	
42.2.2.11.2	Fixed Allocation/ Uplink Transfer / Abnormal cases / Frequency not supported	R97	All GPRS MS	C215	
42.2.2.11.3	Fixed Allocation/ Uplink Transfer / Abnormal cases / Invalid MA_NUMBER	R97	All GPRS MS	C215	
42.2.3.1.1	Fixed Allocation / Uplink Transfer with Downlink TBF Establishment/ T3190/Half-Duplex	R97	GPRS MS supporting multislot class 19 and 24.	C229	
42.2.3.1.2	Fixed Allocation / Uplink Transfer with Downlink TBF Establishment/ T3190/Non Half-Duplex	R97	GPRS MS supporting multislot class 10 and above	C230	
42.2.3.2.1	Fixed Allocation / Uplink Transfer with Downlink TBF Establishment/ Ending uplink TBF/ Half-Duplex	R97	GPRS MS supporting multislot class 19 and 24	C229	
42.2.3.2.2	Fixed Allocation / Uplink Transfer with Downlink TBF Establishment/ Ending uplink TBF/ Non Half-Duplex	R97	GPRS MS supporting multislot class 10 and above	C230	
42.2.3.3.1	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ Abnormal cases / Violation of multi-slot capabilities	R97	All GPRS MS	C215	

42.2.3.3.2	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ Abnormal cases / No defined PDCH	R97	GPRS MS supporting multislot class 2	C231	
42.2.4.1.1	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ T3168/ Expiry	R97	All GPRS MS	C215	
42.2.4.1.2	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ T3168/ Stop with Packet Uplink Assignment	R97	All GPRS MS	C215	
42.2.4.2.1	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Uplink Assignment/ Non half-duplex	R97	All GPRS MS	C215	
42.2.4.2.2	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Uplink Assignment/ Half-duplex	R97	GPRS MS supporting multislot classes 19-29	C232	
42.2.4.3.1	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Timeslot Reconfigure/Starting time with AFN encoding	R97	All GPRS MS	C215	
42.2.4.3.2	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Timeslot Reconfigure/Starting time with relative encoding	R97	All GPRS MS	C215	
42.2.4.4.1	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Access Reject/ With WAIT_INDICATION	R97	All GPRS MS	C215	
42.2.4.4.2	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Access Reject/No WAIT_INDICATION	R97	All GPRS MS	C215	
42.2.4.4.3	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/Packet Access Reject/With Polling	R97	All GPRS MS	C215	
42.3.1.1.1	Dynamic Allocation / Uplink Transfer / Normal / Successful	R97	All GPRS MS	C215	
42.3.1.1.2	Dynamic Allocation / Uplink Transfer / Normal / Request new resources	R97	All GPRS MS	C215	
42.3.1.1.3	Dynamic Allocation / Uplink Transfer / Normal / Starting frame number encoding	R97	All GPRS MS	C215	
42.3.1.1.4	Dynamic Allocation / Uplink Transfer / Normal / Starting time	R97	All GPRS MS	C215	
42.3.1.1.5	Dynamic Allocation / Uplink Transfer / Normal / Close-ended TBF	R97	All GPRS MS	C215	
42.3.1.1.6	Dynamic Allocation / Uplink Transfer / Normal / T3180 expiry	R97	All GPRS MS	C215	
42.3.1.1.7	Dynamic Allocation / Uplink Transfer / Normal / PACCH operation	R97	All GPRS MS	C215	
42.3.1.1.8	Dynamic Allocation / Uplink Transfer / Normal / Two uplink timeslots	R97	All GPRS MS supporting Multislot classes: 3,5,6,7,9,..., 29)	C233	
42.3.1.1.9	Dynamic Allocation / Uplink Transfer / Normal / Frequency parameters	R97	All GPRS MS	C215	
42.3.1.2.2	Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in acknowledged mode	R97	All GPRS MS	C215	

42.3.1.2.3	Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in unacknowledged mode	R97	All GPRS MS	C215	
42.3.2.1.1	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Normal / Successful	R97	All GPRS MS	C215	
42.3.2.1.2	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Normal / Multislot capabilities	R97	All GPRS MS supporting Multislot classes: 2,3,4,5,6,8,9,10,19,24)	C234	
42.3.2.2.1	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Abnormal / with random access	R97	All GPRS MS	C215	
42.3.2.2.2	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Abnormal / Continuation of normal operation	R97	All GPRS MS	C215	
42.3.3.1.1	Dynamic Allocation / Resource reallocation / Successful / Higher throughput class or higher radio priority	R97	GPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C235	
42.3.3.1.2	Dynamic Allocation / Resource reallocation / Successful / Lower throughput class	R97	GPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C235	
42.3.3.1.3	Dynamic Allocation / Resource reallocation / Successful / Different RLC mode and higher radio priority	R97	GPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C235	
42.3.3.2.1	Dynamic Allocation / Resource reallocation / Abnormal / T3168 expiry	R97	GPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C235	
42.3.3.2.2	Dynamic Allocation / Resource reallocation / Abnormal / Invalid assignment	R97	GPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C235	
42.3.3.3	Dynamic Allocation / Resource reallocation / Reject	R97	GPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C235	
42.4.1.1	Network Control measurement reporting / Uplink / Normal case	R97	All GPRS MS	C215	
42.4.1.2	Network Control measurement reporting / Idle mode / New cell reselection	R97	All GPRS MS	C215	
42.4.1.3	Network Control measurement reporting / Downlink transfer/ Normal case	R97	All GPRS MS	C215	
42.4.2.1.1	Cell change order procedure / Uplink transfer / Normal case	R97	All GPRS MS	C215	
42.4.2.1.2	Cell change order procedure / Uplink transfer / Failure cases / T3174 expiry	R97	All GPRS MS	C215	
42.4.2.1.3	Cell change order procedure / Uplink transfer / Failure cases / REJECT from the new cell	R97	All GPRS MS	C215	
42.4.2.1.4	Cell change order procedure / Uplink transfer / Failure cases / Contention resolution failure	R97	All GPRS MS	C215	
42.4.2.1.5	Cell change order procedure / Uplink transfer / Failure cases / REJECT from the new cell and T3176 expiry	R97	All GPRS MS	C215	

42.4.2.1.6	Cell change order procedure / Uplink transfer / Failure cases / Frequency not implemented	R97	All GPRS MS	C215	
42.4.2.2.1	Cell change order procedure / Downlink transfer / Normal case	R97	All GPRS MS	C215	
42.4.2.2.2	Cell change order procedure / Downlink transfer / Failure cases / REJECT from the new cell	R97	All GPRS MS	C215	
42.4.2.2.3	Cell change order procedure / Downlink transfer / Failure cases / Frequency not implemented	R97	All GPRS MS	C215	
42.4.2.3.1	Cell change order procedure / Simultaneous uplink and downlink transfer / Normal case	R97	All GPRS MS	C215	
42.4.2.3.2	Cell change order procedure / Simultaneous uplink and downlink transfer / Failure case / T3174 expiry	R97	All GPRS MS	C215	
42.4.3.1.1	Uplink packet transfer mode / Dynamic allocation	R97	All GPRS MS	C215	
42.4.4.1	Cell Change Order Procedures without PBCCH /Network Controlled Cell Reselection – Packet Measurement Order Procedure	R97	All GPRS MS	C215	
42.4.4.2	Cell Change Order Procedures without PBCCH /Network Controlled Cell Reselection/validity of reselection parameters/MS enters standby state	R97	All GPRS MS	C215	
42.5.1.1	Downlink Transfer/ Normal Operation / Relative Encoding TBF starting time	R97	All GPRS MS	C215	
42.5.1.2	Downlink Transfer/ Normal Operation / Without TBF starting time	R97	All GPRS MS	C215	
42.5.2.1	Downlink Transfer/ Polling/ Normal operation/RLC data block	R97	All GPRS MS	C215	
42.5.2.2	Downlink Transfer/ Polling/ Packet Polling Request/ Access Burst format	R97	All GPRS MS	C215	
42.5.2.3	Downlink Transfer/ Polling/ Packet Polling Request/ Control block format	R97	All GPRS MS	C215	
42.5.3.1	Downlink Transfer/ T3190 Expiry / Initial allocation / Restart with valid RLC data block	R97	All GPRS MS	C215	
42.5.4.1	Downlink Transfer/ T3190 Expiry / Resource reallocation / Without TBF starting time	R97	All GPRS MS	C215	
42.5.4.2	Downlink Transfer/ T3190 Expiry / Resource reallocation / With TBF starting time	R97	All GPRS MS	C215	
42.5.4.3	Downlink Transfer/ T3190 Expiry / Resource reallocation / Restart with valid RLC data block	R97	All GPRS MS	C215	
42.5.5.1	Downlink Transfer/ Reestablishment/ T3192 Expiry	R97	All GPRS MS	C215	
42.5.5.2	Downlink Transfer/ Reestablishment/ Packet Downlink Assignment	R97	All GPRS MS	C215	
42.5.5.3	Downlink Transfer/ Reestablishment/ Invalid Frequency Parameters IE	R97	All GPRS MS	C215	
43.1.1.1	Acknowledged mode / Uplink TBF / Send state variable V(S)	R97	All GPRS MS	C215	
43.1.1.2	Acknowledged mode / Uplink TBF / Transmit window size	R97	All GPRS MS	C215	

43.1.1.3	Acknowledged mode / Uplink TBF / Acknowledge state variable V(A)	R97	All GPRS MS	C215	
43.1.1.4	Acknowledged mode / Uplink TBF / Negatively acknowledged RLC data blocks	R97	All GPRS MS	C215	
43.1.1.5	Acknowledged mode / Uplink TBF / Invalid Negative Acknowledgement	R97	All GPRS MS	C215	
43.1.1.6	Acknowledged mode / Uplink TBF / Decoding of Received Block Bitmap	R97	All GPRS MS	C215	
43.1.2.1	Acknowledged mode / Downlink TBF / Receive state variable V(R)	R97	All GPRS MS	C215	
43.1.2.2	Acknowledged mode / Downlink TBF / Receive window state variable V(Q)	R97	All GPRS MS	C215	
43.1.2.3	Acknowledged mode / Downlink TBF / Re-assembly of RLC data blocks	R97	All GPRS MS	C215	
43.1.2.4	Acknowledged mode / Downlink TBF / Re-assembly / Length Indicator	R97	All GPRS MS	C215	
43.2.1	Control Blocks Re-assembly	R97	All GPRS MS	C215	
44.2.1.1.1	GPRS attach / accepted	R97	All GPRS MS	C215	
44.2.1.1.2	GPRS attach / rejected / IMSI invalid / illegal MS	R97	All GPRS MS	C215	
44.2.1.1.3	GPRS attach / rejected / IMSI invalid / GPRS services not allowed	R97	All GPRS MS	C215	
44.2.1.1.4	GPRS attach / rejected / PLMN not allowed	R97	All GPRS MS	C215	
44.2.1.1.5	GPRS attach / rejected / roaming not allowed in this location area	R97	All GPRS MS	C215	
44.2.1.1.6	GPRS attach / abnormal cases / access barred due to access class control	R97	All GPRS MS	C215	
44.2.1.1.7	GPRS attach / abnormal cases / change of cell into new routing area	R97	All GPRS MS	C215	
44.2.1.1.8	GPRS attach / abnormal cases / power off	R97	All GPRS MS	C215	
44.2.1.1.9	GPRS attach / abnormal cases / GPRS detach procedure collision	R97	All GPRS MS	C215	
44.2.1.2.1	Combined GPRS attach / GPRS and non-GPRS attach accepted	R97	All GPRS MS	C215	
44.2.1.2.2	Combined GPRS attach / GPRS only attach accepted	R97	All GPRS MS	C215	
44.2.1.2.3	Combined GPRS attach / GPRS attach while IMSI attach	R97	GPRS MS which do not auto GPRS attach on power up or switch on	C236	
44.2.1.2.4	Combined GPRS attach / rejected / IMSI invalid / illegal ME	R97	All GPRS MS	C215	
44.2.1.2.5	Combined GPRS attach / rejected / GPRS services and non-GPRS services not allowed	R97	All GPRS MS	C215	
44.2.1.2.6	Combined GPRS attach / rejected / GPRS services not allowed	R97	All GPRS MS	C215	
44.2.1.2.7	Combined GPRS attach / rejected / location area not allowed	R97	All GPRS MS	C215	
44.2.1.2.8	Combined GPRS attach / abnormal cases / attempt counter check / miscellaneous reject causes	R97	All GPRS MS	C215	
44.2.1.2.9	Combined GPRS attach / abnormal cases / GPRS detach procedure collision	R97	All GPRS MS	C215	
44.2.2.1.1	GPRS detach / power off / accepted	R97	All GPRS MS	C215	
44.2.2.1.2	GPRS detach / accepted	R97	All GPRS MS	C215	
44.2.2.1.3	GPRS detach / abnormal cases / attempt counter check / procedure timeout	R97	All GPRS MS	C215	

44.2.2.1.4	GPRS detach / abnormal cases / GMM common procedure collision	R97	All GPRS MS	C215	
44.2.2.1.5	GPRS detach / power off / accepted	R97	All GPRS MS	C215	
44.2.2.1.6	GPRS detach / accepted / GPRS/IMSI detach	R97	All GPRS MS supporting user requested combined circuit switch and packet switch detach without power off.	C274	
44.2.2.1.7	GPRS detach / accepted / IMSI detach	R97	All GPRS MS supporting user requested non-GPRS detach.	C275	
44.2.2.1.8	GPRS detach / abnormal cases / change of cell into new routing area	R97	All GPRS MS supporting user requested combined circuit switch and packet switch detach without power off.	C274	
44.2.2.1.9	GPRS detach / abnormal cases / GPRS detach procedure collision	R97	All GPRS MS supporting user requested combined circuit switch and packet switch detach without power off.	C274	
44.2.2.2.1	GPRS detach / re-attach not required / accepted	R97	All GPRS MS	C215	
44.2.2.2.2	GPRS detach / rejected / IMSI invalid / GPRS services not allowed	R97	All GPRS MS	C215	
44.2.2.2.3	GPRS detach / IMSI detach / accepted	R97	All GPRS MS	C215	
44.2.2.2.4	GPRS detach / re-attach requested / accepted	R97	All GPRS MS	C215	
44.2.2.2.5	GPRS detach / rejected / location area not allowed	R97	All GPRS MS	C215	
44.2.3.1.1	Routing area updating / accepted	R97	All GPRS MS	C215	
44.2.3.1.2	Routing area updating / rejected / IMSI invalid / illegal ME	R97	All GPRS MS	C215	
44.2.3.1.3	Routing area updating / rejected / MS identity cannot be derived by the network	R97	All GPRS MS	C215	
44.2.3.1.4	Routing area updating / rejected / location area not allowed	R97	All GPRS MS	C215	
44.2.3.1.5	Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	R97	All GPRS MS	C215	
44.2.3.1.6	Routing area updating / abnormal cases / change of cell into new routing area	R97	All GPRS MS	C215	
44.2.3.1.7	Routing area updating / abnormal cases / change of cell during routing area updating procedure	R97	All GPRS MS	C215	
44.2.3.1.8	Routing area updating / abnormal cases / P-TMSI reallocation procedure collision	R97	All GPRS MS	C215	
44.2.3.2.1	Combined routing area updating / combined RA/LA accepted	R97	All GPRS MS	C215	
44.2.3.2.2	Combined routing area updating / MS in CS operation at change of RA	R97	All GPRS MS supporting CS operation	C210	
44.2.3.2.3-p1	Combined routing area updating / RA only accepted	R97	All GPRS MS	C215	
44.2.3.2.3-p2	Combined routing area updating / RA only accepted	R97	All GPRS MS	C215	
44.2.3.2.4	Combined routing area updating / rejected / PLMN not allowed	R97	All GPRS MS	C215	
44.2.3.2.5	Combined routing area updating / rejected / roaming not allowed in this location area	R97	All GPRS MS	C215	

44.2.3.2.6	Combined routing area updating / abnormal cases / access barred due to access class control	R97	All GPRS MS	C215	
44.2.3.2.7	Combined routing area updating / abnormal cases / attempt counter check / procedure timeout	R97	All GPRS MS	C215	
44.2.3.2.8	Combined routing area updating / abnormal cases / change of cell into new routing area	R97	All GPRS MS	C215	
44.2.3.2.9	Combined routing area updating / abnormal cases / change of cell during routing area updating procedure	R97	All GPRS MS	C215	
44.2.3.2.10	Combined routing area updating / abnormal cases / GPRS detach procedure collision	R97	All GPRS MS	C215	
44.2.3.3.1	Periodic routing area updating / accepted	R97	All GPRS MS	C215	
44.2.3.3.2	Periodic routing area updating / accepted / T3312 default value	R97	All GPRS MS	C215	
44.2.3.3.3	Periodic routing area updating / no cell available / network mode I	R97	All GPRS MS	C215	
44.2.3.3.4	Periodic routing area updating / no cell available	R97	All GPRS MS	C215	
44.2.4	P-TMSI reallocation	R97	All GPRS MS	C215	
44.2.5.1.1	Authentication accepted	R97	All GPRS MS	C215	
44.2.5.1.2	Authentication rejected	R97	All GPRS MS	C215	
44.2.5.2.1	Ciphering mode / start ciphering	R97	All GPRS MS	C215	
44.2.5.2.2	Ciphering mode / stop ciphering	R97	All GPRS MS	C215	
44.2.5.2.3	Ciphering mode / IMEISV request	R97	All GPRS MS	C215	
44.2.6.1	General Identification	R97	All GPRS MS	C215	
44.2.7	GMM READY timer handling	R97	All GPRS MS	C215	
45.2.1.1	Attach initiated by context activation/QoS Offered by Network is the QoS Requested	R97	All GPRS MS	C215	
45.2.1.2.1	QoS Accepted by MS	R97	All GPRS MS supporting user settings of minimum QoS	C248	
45.2.1.2.2	QoS Rejected by MS	R97	All GPRS MS	C215	
45.2.2-c1	PDP context activation requested by the network, successful and unsuccessful	R97	All GPRS MS	C225	
45.2.2-c2	PDP context activation requested by the network, successful and unsuccessful	R97	All GPRS MS not supporting Network requested PDP context activation	C237	
45.2.4.1	T3380 Expiry	R97	All GPRS MS	C215	
45.2.4.2-c1	Collision of MS initiated and network requested PDP context activation	R97	All GPRS MS	C225	
45.2.4.2-c2	Collision of MS initiated and network requested PDP context activation	R97	All GPRS MS not supporting Network requested PDP context activation	C237	
45.3.1	PDP context modification	R97	All GPRS MS supporting user settings of minimum QoS	C248	
45.4.1	PDP context deactivation initiated by the MS	R97	All GPRS MS	C215	
45.4.2	PDP context deactivation initiated by the network	R97	All GPRS MS	C215	
45.4.3.1	T3390 Expiry	R97	All GPRS MS	C215	
45.4.3.2	Collision of MS and network initiated PDP context deactivation requests	R97	All GPRS MS	C215	
45.5.1	Error cases	R97	All GPRS MS	C215	

46.1.2.1.1	Data transmission in protected mode	R99	All GPRS MS	C215	
46.1.2.1.2	Data transmission in unprotected mode	R99	All GPRS MS	C215	
46.1.2.1.3	Reception of I frame in ADM	R99	All GPRS MS	C215	
46.1.2.2.1.1	Link establishment from MS to SS	R99	All GPRS MS	C215	
46.1.2.2.1.2	Link establishment from SS to MS	R99	All GPRS MS	C215	
46.1.2.2.1.3	Loss of UA frame	R99	All GPRS MS	C215	
46.1.2.2.1.4	Total loss of UA frame	R99	All GPRS MS	C215	
46.1.2.2.1.5	DM response	R99	All GPRS MS	C215	
46.1.2.2.2.1	Checking N(S)	R99	All GPRS MS	C215	
46.1.2.2.2.2	Busy condition at the peer, with RR sent for resumption of transmission	R99	All GPRS MS	C215	
46.1.2.2.2.3	Busy condition at the peer, with ACK sent for resumption of transmission	R99	All GPRS MS	C215	
46.1.2.2.2.4	SACK frame	R99	All GPRS MS	C215	
46.1.2.2.3.1	Checking N(R)	R99	All GPRS MS	C215	
46.1.2.2.3.2	MS handling busy condition during bi-directional data transfer	R99	All GPRS MS	C215	
46.1.2.2.3.3	SACK frame	R99	All GPRS MS	C215	
46.1.2.2.3.4	ACK frame	R99	All GPRS MS	C215	
46.1.2.2.4.1	Reestablishment due to reception of SABM	R99	All GPRS MS	C215	
46.1.2.2.4.2	Reestablishment due to N200 failures	R99	All GPRS MS	C215	
46.1.2.2.4.3	Reestablishment due to reception of DM	R99	All GPRS MS	C215	
46.1.2.3.1	Collision of SABM	R99	All GPRS MS	C215	
46.1.2.3.2	Collision of SABM and DISC	R99	All GPRS MS	C215	
46.1.2.3.3	Collision of SABM and XID commands	R99	All GPRS MS	C215	
46.1.2.4.1	Unsolicited DM	R99	All GPRS MS	C215	
46.1.2.5.1	Sending FRMR due to undefined command control field	R99	All GPRS MS	C215	
46.1.2.5.2	Sending FRMR due to reception of an S frame with incorrect length	R99	All GPRS MS	C215	
46.1.2.5.3	Sending FRMR due to reception of an I frame information field exceeding the maximum length	R99	All GPRS MS	C215	
46.1.2.5.4	Frame reject condition during establishment of ABM	R99	All GPRS MS	C215	
46.1.2.6.1	Simultaneous acknowledged and unacknowledged data transfer on the same SAPI	R99	GPRS MS supporting two or more PDP contexts	C224	
46.1.2.6.2	Simultaneous acknowledged and unacknowledged data transfer on different SAPIs	R99	GPRS MS supporting two or more PDP contexts	C223	
46.1.2.7.1	Negotiation initiated by the SS during ABM, for T200 and N200	R99	All GPRS MS	C215	
46.1.2.7.2	Negotiation initiated by the SS during ADM, for N201-I	R99	GPRS MS supporting network initiated PDP context activation	C215	
46.1.2.7.3	Negotiation initiated by the SS (using SABM, for IOV-I)	R99	All GPRS MS	C215	

46.1.2.7.4	Negotiation initiated by the SS (during ADM, for N201-U)	R99	All GPRS MS	C215	
46.1.2.7.5	Negotiation initiated by the SS (during ADM, for IOV-UI)	R99	All GPRS MS	C215	
46.1.2.7.6	Negotiation initiated by the SS (during ABM, for Reset)	R99	GPRS MS supporting two or more PDP contexts	C223	
46.1.2.7.7	XID command with unrecognised type field	R99	All GPRS MS	C215	
46.1.2.7.8	XID Response with out of range values	R99	All GPRS MS	C215	
46.2.2.1.1	Mobile originated normal data transfer with LLC in acknowledged mode	R99	All GPRS MS	C215	
46.2.2.1.2	Mobile originated normal data transfer with LLC in unacknowledged mode	R99	All GPRS MS	C215	
46.2.2.1.3	Usage of acknowledged mode for data transmission before and after PDP Context modification, on different SAPIs	R99	All GPRS MS	C215	
46.2.2.1.4	Reset indication during unacknowledged mode	R99	All GPRS MS	C215	
46.2.2.1.5	Reset indication during acknowledged mode	R99	All GPRS MS	C215	
46.2.2.2.1	LLC link re-establishment on reception of SN-DATA PDU with F=0 in ack mode in the Receive First Segment state	R99	All GPRS MS	C215	
46.2.2.2.2	LLC link re-establishment on receiving second segment with F=1 and with different PCOMP and DCOMP values in the acknowledged mode data transfer	R99	All GPRS MS	C215	
46.2.2.2.3	Single segment N-PDU from MS	R99	All GPRS MS	C215	
46.2.2.3.1	LLC link release on receiving DM from the SS during acknowledged data transfer	R99	All GPRS MS	C215	
46.2.2.4.1	Response from MS on receiving XID request from the SS	R99	All GPRS MS	C215	
46.2.2.4.2	Response from MS on receiving an XID request from the SS with an unassigned entity number	R99	All GPRS MS	C215	
46.2.2.4.3	Response from MS on receiving an XID response from the SS with unrecognised type field	R99	All GPRS MS	C215	
46.2.2.5	LLC link release on receiving “Invalid XID response” from the network during link establishment procedure	R99	All GPRS MS	C215	
51.1.1.1	RR / Paging / on PCCCH for EGPRS service / normal paging with P-TMSI successful	R99	All EGPRS MS	C216	
51.1.1.2	RR / Paging / on PCCCH for EGPRS service / normal paging with IMSI successful	R99	All EGPRS MS	C216	
51.1.1.3	RR / Paging / on PCCCH for EGPRS service / extended paging with P-TMSI successful	R99	All EGPRS MS	C216	
51.1.1.4	RR / Paging / on PCCCH for EGPRS service / paging reorganisation successful	R99	All EGPRS MS	C216	
51.1.2	RR / Paging / on PCCCH for circuit-switched services / paging successful	R99	All EGPRS MS	C216	
51.1.3	RR / Paging / on PCCCH / paging ignored	R99	All EGPRS MS	C216	

51.1.4.1	RR / Paging / on PACCH for circuit-switched services/ paging successful	R99	All EGPRS MS	C216	
51.1.4.2	RR / Paging / on PACCH for circuit-switched services/ paging ignored	R99	All EGPRS MS	C216	
51.1.5.1.1	RR / Paging / on CCCH for EGPRS service / normal paging with P-TMSI successful	R99	All EGPRS MS	C216	
51.1.5.1.2	RR / Paging / on CCCH for EGPRS service / normal paging with IMSI successful	R99	All EGPRS MS	C216	
51.1.5.1.3	RR / Paging / on CCCH for EGPRS service / normal paging with P-TMSI ignored	R99	All EGPRS MS	C216	
51.1.5.2.1	RR / Paging / on CCCH for EGPRS service / extended paging with P-TMSI successful	R99	All EGPRS MS	C216	
51.1.5.3	RR / Paging / on CCCH for EGPRS service / paging reorganisation	R99	All EGPRS MS	C216	
51.1.6	RR / Paging / Before T3172 expiry	R99	All EGPRS MS	C216	
51.2.1.1	Permission to access the network / priority classes	R99	All EGPRS MS	C216	
51.2.2.1	Initiation of the packet access procedure / establishment causes	R99	All EGPRS MS	C216	
51.2.2.2	Random references for two phase packet access	R99	All EGPRS MS	C216	
51.2.2.3	Random references for one phase packet access	R99	All EGPRS MS	C216	
51.2.2.4	Initiation of the packet access procedure / timer T3146	R99	All EGPRS MS	C216	
51.2.2.5	Initiation of the packet access procedure / Request Reference	R99	All EGPRS MS	C216	
51.2.3.1	Two-message assignment / Successful case	R99	All EGPRS MS	C216	
51.2.3.2	Two-message assignment / Failure cases	R99	All EGPRS MS	C216	
51.2.3.3	Packet uplink assignment / Polling bit set	R99	All EGPRS MS	C216	
51.2.3.4	One phase packet access / Contention resolution / Successful case	R99	All EGPRS MS	C216	
51.2.3.5	One phase packet access / Contention resolution / TLLI mismatch	R99	All EGPRS MS	C216	
51.2.3.6	One phase packet access / Contention resolution / Counter N3104	R99	All EGPRS MS	C216	
51.2.3.7	One phase packet access / Contention resolution / Timer T3166	R99	All EGPRS MS	C216	
51.2.3.8	One phase packet access / Contention resolution / 4 access repetition attempts	R99	All EGPRS MS	C216	
51.2.3.9	One phase packet access / TBF starting time	R99	All EGPRS MS	C216	
51.2.3.10	One phase packet access / Timing Advance Index present	R99	All EGPRS MS	C216	
51.2.3.11	One phase packet access / Timing Advance Index not present	R99	All EGPRS MS	C216	
51.2.4.1	Multiblock packet access / Packet Resource Request	R99	All EGPRS MS	C216	
51.2.5.1	Packet access rejection / wait indication	R99	All EGPRS MS	C216	

51.2.5.2	Packet access rejection / assignment before T3142 expires	R99	All EGPRS MS	C216	
51.2.6.1	Initiation of packet downlink assignment procedure / MS listens to correct CCCH block	R99	All EGPRS MS	C216	
51.2.6.2	Initiation of packet downlink assignment procedure / timer T3190	R99	All EGPRS MS	C216	
51.2.6.3	Initiation of packet downlink assignment procedure / TBF starting time	R99	All EGPRS MS	C216	
51.2.6.4	Initiation of packet downlink assignment procedure / incorrect TFI	R99	All EGPRS MS	C216	
51.2.7.1	Single block packet downlink assignment / TBF Starting Time	R99	All EGPRS MS	C216	
51.2.7.2	Single block packet downlink assignment / MS returns to packet idle mode	R99	All EGPRS MS	C216	
51.3.1.1	TBF Release / Uplink / Normal / MS initiated / Acknowledged mode	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.1.2	TBF Release / Uplink / Normal / MS initiated / Unacknowledged mode	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.1.3	TBF Release / Uplink / Normal / MS initiated / Channel coding change during countdown	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.2.1	TBF Release / Uplink / Normal / Network initiated / Acknowledged mode	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.2.2	TBF Release / Uplink / Normal / Network initiated / Unacknowledged mode	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.3	TBF Release / Uplink / Network initiated / Abnormal release	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.4.1	TBF Release / Downlink / Normal / Network initiated / Acknowledged mode	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.4.2	TBF Release / Downlink / Normal / Network initiated / Unacknowledged mode	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.5.1	PDCH Release / Without TIMESLOTS_AVAILABLE	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
51.3.5.2	PDCH Release / With TIMESLOTS_AVAILABLE	R99	All EGPRS MS supporting activation of at least one PDP context	C279	
52.1.1.1	Packet Channel Request / Message format	R99	All EGPRS MS	C216	
52.1.1.2	Packet Channel Request / Support of EGPRS PACKET CHANNEL REQUEST	R99	All EGPRS MS	C216	
52.1.1.3	Packet Channel Request / Response to Packet Paging/Non-RR Connection Paging	R99	All EGPRS MS	C216	
52.1.1.4	Packet Channel Request / Response to Packet Paging/RR Connection Paging	R99	All EGPRS MS	C216	
52.1.1.5	EGPRS Packet Channel Request / Access type	R99	All EGPRS MS	C216	
52.1.1.6.1	Packet Channel Request / Access persistence control on PRACH / M+1 attempts	R99	All EGPRS MS	C216	
52.1.1.6.2	Packet Channel Request / Access persistence control on PRACH / Persistence level	R99	All EGPRS MS	C216	

52.1.1.6.3	Packet Channel Request / Access persistence control on PRACH / Successive Attempts	R99	All EGPRS MS	C216	
52.1.2.1.1.1	Packet Uplink Assignment / Packet queuing notification / Stop sending Packet Channel Requests	R99	All EGPRS MS	C216	
52.1.2.1.1.2	Packet Uplink Assignment / Packet queuing notification / Ignoring Packet Queuing Notification	R99	All EGPRS MS	C216	
52.1.2.1.1.3	Packet Uplink Assignment / Packet queuing notification / Assigned PDCHs	R99	All EGPRS MS	C216	
52.1.2.1.1.4	Packet Uplink Assignment / Packet queuing notification / Expiry of timer T3162	R99	All EGPRS MS	C216	
52.1.2.1.2	Packet Uplink Assignment / Response to packet polling request	R99	All EGPRS MS	C216	
52.1.2.1.3.1	Packet Uplink Assignment / Packet access reject / Action during Wait_Indication	R99	All EGPRS MS	C216	
52.1.2.1.3.2	Packet Uplink Assignment / Packet access reject / No respond	R99	All EGPRS MS	C216	
52.1.2.1.3.3	Packet Uplink Assignment / Packet access reject / Trigger RR connection	R99	All EGPRS MS	C216	
52.1.2.1.4	Packet Uplink Assignment / Packet Uplink Assignment handling	R99	All EGPRS MS	C216	
52.1.2.1.5	Packet Uplink Assignment / One or two phase access	R99	All EGPRS MS	C216	
52.1.2.1.6	Packet Uplink Assignment / Decoding of frequency parameters	R99	All EGPRS MS	C216	
52.1.2.1.7	Packet Uplink Assignment / Most recently received Packet Uplink Assignment	R99	All EGPRS MS	C216	
52.1.2.1.8.1.1	Packet Uplink Assignment / One phase access / Contention resolution / Inclusion of TLLI in RLC data blocks	R99	All EGPRS MS	C216	
52.1.2.1.8.1.2	Packet Uplink Assignment / One phase access / Contention resolution / Counter N3104	R99	All EGPRS MS	C216	
52.1.2.1.8.1.3	Packet Uplink Assignment / One phase access / Contention resolution / Timer T3166	R99	All EGPRS MS	C216	
52.1.2.1.8.1.4	Packet Uplink Assignment / One phase access / Contention resolution / TLLI mismatch	R99	All EGPRS MS	C216	
52.1.2.1.8.1.5	Packet Uplink Assignment / One phase access / Contention resolution / 4 access repetition attempts	R99	All EGPRS MS	C216	
52.1.2.1.8.2.1	Packet Uplink Assignment / One phase access / Timing Advance / TA Index present	R99	All EGPRS MS	C216	
52.1.2.1.8.2.2	Packet Uplink Assignment / One phase access / Timing Advance / TA Index not present	R99	All EGPRS MS	C216	
52.1.2.1.8.2.3	Packet Uplink Assignment / One phase access / Timing Advance / TA value field not provided	R99	All EGPRS MS	C216	
52.1.2.1.9.1	Packet Uplink Assignment / Two phase access / Packet Resource Request / RLC Octet Count	R99	All EGPRS MS	C216	
52.1.2.1.9.2.1	Packet Uplink Assignment / Two phase access / Contention resolution / Expiry of timer T3168	R99	All EGPRS MS	C216	

52.1.2.1.9.2.2	Packet Uplink Assignment / Two phase access / Contention resolution / TLLI in Packet Resource Request message	R99	All EGPRS MS	C216	
52.1.2.1.9.2.3	Packet Uplink Assignment / Two phase access / Contention resolution / TLLI mismatch	R99	All EGPRS MS	C216	
52.1.2.1.9.3	Packet Uplink Assignment / Two phase access / Radio Access Capabilities	R99	All EGPRS MS	C216	
52.1.2.1.9.4	Packet Uplink Assignment / Two phase access / Radio Access Capabilities/ Frequency band not supported..	R99	All EGPRS MS	C216	
52.1.2.1.9.5	Packet Uplink Assignment / Two phase access / Packet Resource Request / No respond to Packet Downlink Assignment	R99	All EGPRS MS	C216	
52.1.2.1.10.1	Packet Uplink Assignment / Abnormal cases / Incorrect PDCH assignment	R99	All EGPRS MS	C216	
52.1.2.1.10.2	Packet Uplink Assignment / Abnormal cases / Expiry of timer T3164	R99	All EGPRS MS	C216	
52.1.2.2.1	Packet Downlink Assignment / Response to poll bit	R99	All EGPRS MS	C216	
52.1.2.2.2	Packet Downlink Assignment / PCCCH monitoring	R99	All EGPRS MS	C216	
52.1.2.2.3	Packet Downlink Assignment / Frequency hopping	R99	All EGPRS MS	C216	
52.1.2.2.4	Packet Downlink Assignment / Response to Packet Polling	R99	All EGPRS MS	C216	
52.1.2.2.5.1	Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment	R99	All EGPRS MS	C216	
52.1.2.2.5.2	Packet Downlink Assignment / Abnormal cases / Expiry of timer T3190	R99	All EGPRS MS	C216	
52.2.1.1	Fixed Allocation/ Uplink Transfer/ Normal operation/ Blocks	R99	All EGPRS MS	C216	
52.2.1.2	Fixed Allocation/ Uplink Transfer/ Normal operation/ Blocks Periods	R99	All EGPRS MS	C216	
52.2.1.3	Fixed Allocation/ Uplink Transfer/ Normal operation/ ALLOCATION_BITMAP _LENGTH not Present	R99	All EGPRS MS	C216	
52.2.1.4	Fixed Allocation/ Uplink Transfer/ Operation with TS_OVERRIDE/ Single-slot TX	R99	All EGPRS MS	C216	
52.2.1.5	Fixed Allocation/ Uplink Transfer/ Operation with TS_OVERRIDE/ Multi-slot TX	R99	All EGPRS MS	C216	
52.2.1.6	Fixed Allocation/ Uplink Transfer/ T3184	R99	All EGPRS MS	C216	
52.2.1.7	Fixed Allocation/ Uplink Transfer/ T3188/ Expiry	R99	All EGPRS MS	C216	
52.2.1.8	Fixed Allocation/ Uplink Transfer/ T3188/ Stop with Packet Uplink Assignment	R99	All EGPRS MS	C216	
52.2.1.9	Fixed Allocation/ Uplink Transfer/ T3188/ Stop with PACKET UPLINK	R99	All EGPRS MS	C216	
52.2.1.10	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ T3168/ Expiry	R99	All EGPRS MS	C216	
52.2.1.11	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ T3168/ Stop with Packet Uplink Assignment	R99	All EGPRS MS	C216	

52.2.1.12	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ T3168/ Stop with Packet Uplink Ack/Nack with REPEAT_ALLOCATION	R99	All EGPRS MS	C216	
52.2.1.13	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ T3168/ Stop with Packet Access Reject	R99	All EGPRS MS	C216	
52.2.1.14	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ T3168/ Continue with Packet Uplink Ack/Nack without REPEAT_ALLOCATION and without ALLOCATION_BITMAP	R99	All EGPRS MS	C216	
52.2.1.15	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Successful/ Packet Uplink Assignment with ALLOCATION_BITMAP	R99	All EGPRS MS	C216	
52.2.1.16	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Successful/ Multiple Packet Uplink Assignments	R99	All EGPRS MS	C216	
52.2.1.17	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Successful/ Packet Uplink Ack/Nack with ALLOCATION_BITMAP	R99	All EGPRS MS	C216	
52.2.1.18	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Successful/ Multiple Packet Uplink Ack/Nack with ALLOCATION_BITMAP	R99	All EGPRS MS	C216	
52.2.1.19	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Successful/ Multiple Packet Uplink Ack/Nack with REPEAT_ALLOCATION	R99	All EGPRS MS	C216	
52.2.1.20	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Failure/ Packet Access Reject	R99	All EGPRS MS	C216	
52.2.1.21	Fixed Allocation/ Uplink Transfer/ MS requests new resources/ Failure/ Packet Access Reject with WAIT_INDICATION during allocation in progress	R99	All EGPRS MS	C216	
52.2.1.22	Fixed Allocation/ Uplink Transfer/ Network initiates new resources	R99	All EGPRS MS	C216	
52.2.1.23	Fixed Allocation/ Uplink Transfer/ PACCH operation/ Normal Operation	R99	All EGPRS MS	C216	
52.2.1.24	Fixed Allocation/ Uplink Transfer/ PACCH operation/ PACCH message addressed to another MS	R99	All EGPRS MS	C216	
52.2.1.25	Fixed Allocation/ Uplink Transfer/ Abnormal cases/ PACCH timeslot removed	R99	All EGPRS MS	C216	
52.2.1.26	Fixed Allocation/ Uplink Transfer/ Abnormal cases/ Assignment without fixed allocation	R99	All EGPRS MS	C216	
52.2.1.27	Fixed Allocation/ Uplink Transfer/ Abnormal cases/ Frequency not supported	R99	All EGPRS MS	C216	
52.2.1.28	Fixed Allocation/ Uplink Transfer/ Abnormal cases/ Invalid MA_NUMBER	R99	All EGPRS MS	C216	

52.2.2.1	Fixed Allocation / Uplink Transfer with Downlink TBF Establishment/ T3190/ Half-Duplex	R99	All EGPRS MS	C216	
52.2.2.2	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ T3190/ Non Half-Duplex	R99	All EGPRS MS	C216	
52.2.2.3	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ Ending uplink TBF/ Half-Duplex	R99	All EGPRS MS	C216	
52.2.2.4	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ Ending uplink TBF/ Non Half-Duplex	R99	All EGPRS MS	C216	
52.2.2.5	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ Abnormal cases/ Violation of multi-slot capabilities	R99	All EGPRS MS	C216	
52.2.2.6	Fixed Allocation/ Uplink Transfer with Downlink TBF Establishment/ Abnormal cases/ No defined PDCH	R99	All EGPRS MS	C216	
52.2.3.1	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ T3168/ Expiry	R99	All EGPRS MS	C216	
52.2.3.2	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ T3168/ Stop with Packet Uplink Assignment	R99	All EGPRS MS	C216	
52.2.3.3	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Uplink Assignment/ Non half-duplex	R99	All EGPRS MS	C216	
52.2.3.4	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Uplink Assignment/ Half-duplex	R99	All EGPRS MS	C216	
52.2.3.5	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Timeslot Reconfigure/ Starting time with AFN encoding	R99	All EGPRS MS	C216	
52.2.3.6	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Timeslot Reconfigure/ Starting time with relative encoding	R99	All EGPRS MS	C216	
52.2.3.7	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Access Reject/ With WAIT_INDICATION	R99	All EGPRS MS	C216	
52.2.3.8	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Access Reject/ No WAIT_INDICATION	R99	All EGPRS MS	C216	
52.2.3.9	Fixed Allocation/ Downlink Transfer with Uplink TBF Establishment/ Packet Access Reject/ With Polling	R99	All EGPRS MS	C216	
52.3.1.1.1	Dynamic Allocation / Uplink Transfer / Normal / Successful	R99	All EGPRS MS	C216	
52.3.1.1.2	Dynamic Allocation / Uplink Transfer / Normal / Request new resources	R99	All EGPRS MS	C216	
52.3.1.1.3	Dynamic Allocation / Uplink Transfer / Normal / Starting frame number encoding	R99	All EGPRS MS	C216	
52.3.1.1.4	Dynamic Allocation / Uplink Transfer / Normal / Starting time	R99	All EGPRS MS	C216	

52.3.1.1.5	Dynamic Allocation / Uplink Transfer / Normal / Close-ended TBF	R99	All EGPRS MS	C216	
52.3.1.1.6	Dynamic Allocation / Uplink Transfer / Normal / T3180 expiry	R99	All EGPRS MS	C216	
52.3.1.1.7	Dynamic Allocation / Uplink Transfer / Normal / PACCH operation	R99	All EGPRS MS	C216	
52.3.1.1.8	Dynamic Allocation / Uplink Transfer / Normal / Two uplink timeslots	R99	All EGPRS MS supporting Multislot classes: 3,5,6,7,9,..., 29)	C276	
52.3.1.1.9	Dynamic Allocation / Uplink Transfer / Normal / Frequency parameters	R99	All EGPRS MS	C216	
52.3.1.2.2	Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in acknowledged mode	R99	All EGPRS MS	C216	
52.3.1.2.3	Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in unacknowledged mode	R99	All EGPRS MS	C216	
52.3.2.1.1	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Normal / Successful	R99	All EGPRS MS	C216	
52.3.2.1.2	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Normal / Multislot capabilities	R99	All EGPRS MS supporting Multislot classes: 2,3,4,5,6,8,9,10,19,24)	C277	
52.3.2.2.1	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Abnormal / with random access	R99	All EGPRS MS	C216	
52.3.2.2.2	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Abnormal / Continuation of normal operation	R99	All EGPRS MS	C216	
52.3.3.1.1	Dynamic Allocation / Resource reallocation / Successful / Higher throughput class or higher radio priority	R99	EGPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C278	
52.3.3.1.2	Dynamic Allocation / Resource reallocation / Successful / Lower throughput class	R99	EGPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C278	
52.3.3.1.3	Dynamic Allocation / Resource reallocation / Successful / Different RLC mode and higher radio priority	R99	EGPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C278	
52.3.3.2.1	Dynamic Allocation / Resource reallocation / Abnormal / T3168 expiry	R99	EGPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C278	
52.3.3.2.2	Dynamic Allocation / Resource reallocation / Abnormal / Invalid assignment	R99	EGPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C278	
52.3.3.3	Dynamic Allocation / Resource reallocation / Reject	R99	EGPRS MS supporting two PDP contexts or supporting SMS over GPRS and at least one PDP context	C278	
52.4.1.1	Network Control measurement reporting / Uplink / Normal case	R99	All EGPRS MS	C216	
52.4.1.2	Network Control measurement reporting / Idle mode / New cell reselection	R99	All EGPRS MS	C216	

52.4.1.3	Network Control measurement reporting / Downlink transfer/ Normal case	R99	All EGPRS MS	C216	
52.4.2.1.1	Cell change order procedure / Uplink transfer / Normal case	R99	All EGPRS MS	C216	
52.4.2.1.2	Cell change order procedure / Uplink transfer / Failure cases / T3174 expiry	R99	All EGPRS MS	C216	
52.4.2.1.3	Cell change order procedure / Uplink transfer / Failure cases / REJECT from the new cell	R99	All EGPRS MS	C216	
52.4.2.1.4	Cell change order procedure / Uplink transfer / Failure cases / Contention resolution failure	R99	All EGPRS MS	C216	
52.4.2.1.5	Cell change order procedure / Uplink transfer / Failure cases / REJECT from the new cell and T3176 expiry	R99	All EGPRS MS	C216	
52.4.2.1.6	Cell change order procedure / Uplink transfer / Failure cases / Frequency not implemented	R99	All EGPRS MS	C216	
52.4.2.2.1	Cell change order procedure / Downlink transfer / Normal case	R99	All EGPRS MS	C216	
52.4.2.2.2	Cell change order procedure / Downlink transfer / Failure cases / REJECT from the new cell	R99	All EGPRS MS	C216	
52.4.2.2.3	Cell change order procedure / Downlink transfer / Failure cases / Frequency not implemented	R99	All EGPRS MS	C216	
52.4.2.3.1	Cell change order procedure / Simultaneous uplink and downlink transfer / Normal case	R99	All EGPRS MS	C216	
52.4.2.3.2	Cell change order procedure / Simultaneous uplink and downlink transfer / Failure case / T3174 expiry	R99	All EGPRS MS	C216	
52.4.4.1	Cell Change Order Procedures without PBCCH /Network Controlled Cell Reselection – Packet Measurement Order Procedure	R99	All EGPRS MS	C216	
52.4.4.2	Cell Change Order Procedures without PBCCH /Network Controlled Cell Reselection/validity of reselection parameters/MS enters standby state	R99	All EGPRS MS	C216	
52.5.5.1	Downlink Transfer/ Reestablishment/ T3192 Expiry	R99	All EGPRS MS	C216	
52.5.5.2	Downlink Transfer/ Reestablishment/ Packet Downlink Assignment	R99	All EGPRS MS	C216	
52.5.5.3	Downlink Transfer/ Reestablishment/ Invalid Frequency Parameters IE	R99	All EGPRS MS	C216	
53.1.1.1	Acknowledged Mode/ Uplink TBF/ Send State Variable V(S)	R99	All EGPRS MS	C216	
53.1.1.2	Acknowledged Mode/ Uplink TBF/ Acknowledge State Variable V(A	R99	All EGPRS MS	C216	
53.1.1.3	Acknowledged Mode/ Uplink TBF/ Window Size/ Default Value	R99	All EGPRS MS	C216	
53.1.1.4	Acknowledged Mode/ Uplink TBF/ Window Size/ Assigned Value	R99	All EGPRS MS	C216	
53.1.1.5	Acknowledged mode/ Uplink TBF/ Invalid Negative Acknowledgement	R99	All EGPRS MS	C216	
53.1.1.6	Acknowledged Mode/ Uplink TBF/ Countdown Value	R99	All EGPRS MS	C216	

53.1.1.7	Acknowledged Mode/ Uplink TBF/ Interpretation of Receive Block Bitmap	R99	All EGPRS MS	C216	
53.1.1.8	Acknowledged Mode/ Uplink TBF/ Pre-emptive Transmission/ Default Mode	R99	All EGPRS MS	C216	
53.1.1.9	Acknowledged Mode/ Uplink TBF/ Pre-emptive Transmission Bit Set to '1'	R99	All EGPRS MS	C216	
53.1.1.10	Acknowledged Mode/ Uplink TBF/ Pre-emptive Transmission Bit Set to '0'/ PENDING_ACK Blocks	R99	All EGPRS MS	C216	
53.1.1.11	Acknowledged Mode/ Uplink TBF/ Pre-emptive Transmission Bit Set to '0'/ Negative Acknowledgement	R99	All EGPRS MS	C216	
53.1.1.12	Acknowledged Mode/ Uplink TBF/ Retransmission/ Split RLC Data Block	R99	All EGPRS MS	C216	
53.1.1.13	Acknowledged Mode/ Uplink TBF/ Calculation of BSN2	R99	All EGPRS MS	C216	
53.1.1.14	Acknowledged Mode/ Uplink TBF/ Verification of Coding Schemes	R99	All EGPRS MS	C216	
53.1.1.15	Acknowledged Mode/ Uplink TBF/ Recalculation of CV on MCS change	R99	All EGPRS MS	C216	
53.1.1.16	Acknowledged Mode/ Uplink TBF/ Retransmission/ Padding in the Data Field	R99	All EGPRS MS	C216	
53.1.1.17	Acknowledged Mode/ Uplink TBF/ Retransmission/ Puncturing Scheme Cycle	R99	All EGPRS MS	C216	
53.1.1.18	EGPRS Acknowledged mode / Uplink TBF / Link Adaptation Procedure for retransmission	R99	All EGPRS MS	C216	
53.1.1.19	EGPRS Acknowledged mode / Uplink TBF / Link Adaptation Procedure for initial transmission	R99	All EGPRS MS	C216	
53.1.1.20	Acknowledged Mode/ Uplink TBF/ Retransmission/ MCS Selection without Re-segmentation	R99	All EGPRS MS	C216	
53.1.1.21	Acknowledged Mode/ Uplink TBF/ Initial Puncturing Scheme After MCS Switching	R99	All EGPRS MS	C216	
53.1.2.1	Acknowledged Mode/ Downlink TBF/ Receive State Variable V(R)	R99	All EGPRS MS	C216	
53.1.2.2	Acknowledged Mode/ Downlink TBF/ Receive Window State Variable V(Q)	R99	All EGPRS MS	C216	
53.1.2.3	Acknowledged Mode/ Downlink TBF/ Window Size/ Default Value	R99	All EGPRS MS	C216	
53.1.2.4	Acknowledged Mode/ Downlink TBF/ Window Size/ Assigned Value	R99	All EGPRS MS	C216	
53.1.2.5	Acknowledged Mode/ Downlink TBF/ BOW	R99	All EGPRS MS	C216	
53.1.2.6	Acknowledged Mode/ Downlink TBF/ EOW	R99	All EGPRS MS	C216	
53.1.2.7	Acknowledged Mode/ Downlink TBF/ Measurement Report	R99	All EGPRS MS	C216	
53.1.2.8	Acknowledged Mode/ Downlink TBF/ Generation of Bitmap	R99	All EGPRS MS	C216	
53.1.2.9	Acknowledged Mode/ Downlink TBF/ Interpretation of BSN2	R99	All EGPRS MS	C216	
53.1.2.10	Acknowledged Mode/ Downlink TBF/ Split RLC Data Block	R99	All EGPRS MS	C216	
53.1.2.11	Acknowledged Mode/ Downlink TBF/ First Partial Bitmap and Next Partial Bitmap	R99	All EGPRS MS	C216	

53.1.2.12	Acknowledged Mode/ Downlink TBF/ Decoding of Coding Schemes	R99	All EGPRS MS	C216	
53.1.2.13	Acknowledged Mode/ Downlink TBF/ IR Operation	R99	All EGPRS MS	C216	
53.1.2.14	Acknowledged Mode/ Downlink TBF/ Received Bitmap/ Compressed	R99	All EGPRS MS	C216	
53.1.2.15	Acknowledged Mode/ Downlink TBF/ Received Bitmap/ Uncompressed	R99	All EGPRS MS	C216	
53.1.2.16	Acknowledged Mode/ Downlink TBF/ Received Block Bitmap/ Compressed Bitmap Starting Colour Code	R99	All EGPRS MS	C216	
53.1.2.17	Acknowledged Mode/ Downlink TBF/ Received Block Bitmap/ Terminating Code and Make-up Code	R99	All EGPRS MS	C216	
60.1	Inter system handover to UTRAN/From GSM/Speech/Success	R99	MS supporting both GSM and UTRAN	C273	
60.2	Inter system handover to UTRAN / From GSM/Data/Same data rate / Success	R99	MS supporting both GSM and UTRAN	C273	
60.3	Inter system handover to UTRAN/From GSM/ Data/Same data rate upgrading / Success	R99	MS supporting both GSM and UTRAN	C273	
60.4	Inter system handover to UTRAN/From GSM/Speech/Establishment/Success	R99	MS supporting both GSM and UTRAN	C273	
60.5	Inter system handover to UTRAN/From GSM/Speech/Blind HO/Success	R99	MS supporting both GSM and UTRAN	C273	
60.6	Inter system handover to UTRAN/From GSM/Speech/Failure	R99	MS supporting both GSM and UTRAN	C273	
60.7	Inter system handover to UTRAN/From GSM/Failure/Cause: Frequency not implemented	R99	MS supporting both GSM and UTRAN	C273	
60.8	Inter system handover to UTRAN/From GSM/Failure/Cause: UTRAN preconfiguration unknown	R99	MS supporting both GSM and UTRAN	C273	
60.9	Inter system handover to UTRAN/From GSM/Failure/Cause: Protocol Error	R99	MS supporting both GSM and UTRAN	C273	
70.2.1	Positioning/RR/Classmark Interrogation tests	R98	MSs supporting LCS EOTD	C281	
70.2.2	Network Induced E-OTD emergency call test on an SDCCH	R98	MSs supporting LCS EOTD	C281	
70.2.3	Network Induced E-OTD emergency call test on an SDCCH , Idle, no IMSI	R98	MSs supporting LCS EOTD	C281	
70.2.4	E-OTD test for NI-LR on the TCH	R98	MSs supporting LCS EOTD	C281	
70.4.1	E-OTD test for MT-LR Location Notification	R98	MSs supporting LCS EOTD	C281	
70.4.2.1	E-OTD test for MT-LR Privacy Options – Location Allowed.	R98	MSs supporting LCS EOTD	C281	
70.4.2.2	E-OTD test for MT-LR Privacy Options – Location Not Allowed.	R98	MSs supporting LCS EOTD	C281	
70.7.1.1	A-GPS LCS Network Induced test case for MS-Based GPS for Emergency Call on an SDCCH, Idle, no IMSI state	R98	All MSs supporting LCS MS-Based GPS	C283	

70.7.1.2	A-GPS LCS Network Induced test case for MS-Assisted GPS for Emergency Call on an SDCCH, Idle, no IMSI state	R98	All MSs supporting LCS MS-Assisted GPS	C284	
70.7.2.1	A-GPS LCS Classmark Interrogation test case for MS-Based GPS	R98	All MSs supporting LCS MS-Based GPS	C283	
70.7.2.2	A-GPS LCS Classmark Interrogation test case for MS-Assisted GPS	R98	All MSs supporting LCS MS-Assisted GPS	C284	
70.7.3.1	A-GPS LCS Network Induced test case for MS-Based GPS test on an SDCCH radio channel	R98	All MSs supporting LCS MS-Based GPS	C283	
70.7.3.2	A-GPS LCS Network Induced test case for MS-Based GPS test on an SDCCH radio channel	R98	All MSs supporting LCS MS-Assisted GPS	C284	

C1	IF NOT A.25/50 THEN A ELSE N/A	-- NOT TSPC_AddInfo_ApplAlwaysRun
C2	IF A.25/1 THEN A ELSE N/A	-- TSPC_AddInfo_HalfRate
C3	IF A.5/14 AND A.5/13 THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC AND TSPC_Serv_SS_AoCI
C4	IF A.5/14 THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC
C5	IF A.25/11 THEN A ELSE N/A	-- TSPC_AddInfo_AsyncNonTransData
C6	IF A.25/10 THEN A ELSE N/A	-- TSPC_AddInfo_AsyncData
C7	IF A.2/26 THEN A ELSE N/A	-- TSPC_Feat_Autocall
C8	IF A.25/56 THEN A ELSE N/A	-- TSPC_AddInfo_AutocallBnoGreaterM
C9	IF A.2/22 THEN A ELSE N/A	-- TSPC_Feat_BO
C10	IF A.25/17 THEN A ELSE N/A	-- TSPC_AddInfo_fullRate4.8
C11	IF A.25/5 THEN A ELSE N/A	-- TSPC_AddInfo_FullRateData
C12	IF A.25/6 THEN A ELSE N/A	-- TSPC_ Addinfo_HalfRateData
C13	IF A.25/3 THEN A ELSE N/A	-- TSPC_Addinfo_HalfRateSpeech
C14	IF A.25/41 OR A.25/42 THEN A ELSE N/A	-- TSPC_AddInfo_ID1 OR TSPC_AddInfo_PlugIn
C15	IF (A.25/41 OR A.25/42) AND A.25/43 THEN A ELSE N/A	-- (TSPC_AddInfo_ID1 OR TSPC_AddInfo_PlugIn) AND TSPC_AddInfo_DisablePin
C16	IF (A.25/41 OR A.25/42) AND A.2/21 THEN A ELSE N/A	-- (TSPC_AddInfo_ID1 OR TSPC_AddInfo_PlugIn) AND TSPC_Feat_FND
C17	IF (A.25/41 OR A.25/42) AND A.25/44 THEN A ELSE N/A	-- (TSPC_AddInfo_ID1 OR TSPC_AddInfo_PlugIn) AND TSPC_AddInfo_Pin2
C18	IF A.25/59 THEN A ELSE N/A	-- TSPC_AddInfo_MT2orOther
C19	IF A.2/41 AND A.2/58 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_non_zero_NON_DRX_TIMER
C20	IF A.25/60 THEN A ELSE N/A	-- TSPC_AddInfo_PermAntenna
C21	IF A.25/45 THEN A ELSE N/A	-- TSPC_AddInfo_Pin2Feature
C22	IF A.25/7 THEN A ELSE N/A	-- TSPC_AddInfo_NonTransData
C23	IF A.25/8 THEN A ELSE N/A	-- TSPC_AddInfo_TransData
C24	IF A.25/2 THEN A ELSE N/A	-- TSPC_ AddInfo_FullRateSpeech
C25	IF A.25/8 AND A.25/58 THEN A ELSE N/A	-- TSPC_AddInfo_TransData AND TSPC_AddInfo_MT2
C26	IF A.3/6 THEN A ELSE N/A	-- TSPC_Serv_TS61
C27	IF A.3/7 THEN A ELSE N/A	-- TSPC_Serv_TS62
C28	IF A.3/7 AND NOT A.3/6 THEN A ELSE N/A	-- TSPC_Serv_TS62 AND NOT TSPC_Serv_TS61
C29	IF A.3/7 OR A.3/6 THEN A ELSE N/A	-- TSPC_Serv_TS62 OR TSPC_Serv_TS61
C30	IF (A.3/7 OR A.3/6) AND A.25/28 THEN A ELSE N/A	-- (TSPC_Serv_TS62 OR TSPC_Serv_TS61) AND TSPC_AddInfo_FaxErrCor
C31	IF A.25/19 THEN A ELSE N/A	-- TSPC_ Addinfo_MTsvc
C32	IF NOT A.5/14 THEN A ELSE N/A	-- NOT TSPC_Serv_SS_AoCC
C33	IF A.5/14 AND (NOT A.5/10) THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC AND (NOT TSPC_Serv_SS_HOLD)
C34	IF A.5/14 AND A.5/10 AND (NOT A.5/11) THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC AND TSPC_Serv_SS_HOLD AND (NOT TSPC_Serv_SS_MPTY)
C35	IF NOT A.2/21 THEN A ELSE N/A	-- NOT TSPC_Feat_FND
C36	IF A.25/20 THEN A ELSE N/A	-- TSPC_ Addinfo_MOsvc
C37	IF A.25/22 THEN A ELSE N/A	-- TSPC_ Addinfo_SvcOnTCH
C38	IF A.25/23 THEN A ELSE N/A	-- TSPC_ Addinfo_DualRate
C39	IF A.25/4 THEN A ELSE N/A	-- TSPC_ Addinfo_DataSvc
C40	IF A.25/30 THEN A ELSE N/A	-- TSPC_ Addinfo_NonCallSS
C41	IF A.3/4 THEN A ELSE N/A	-- TSPC_Serv_TS22
C42	IF A.3/1 OR A.3/2 THEN A ELSE N/A	-- TSPC_Serv_TS11 OR TSPC_Serv_TS12

C43	IF A.25/26 THEN A ELSE N/A	-- TSPC_ AddInfo_CC
C47	IF A.25/26 AND (A.2/17 OR A.2/18) THEN A ELSE N/A	-- TSPC_ AddInfo_CC AND (TSPC_Feat_A51 OR TSPC_Feat_A52)
C48	IF A.25/26 AND A.25/55 THEN A ELSE N/A	-- TSPC_ AddInfo_CC AND TSPC_ Addinfo_RFAmp
C50	IF A.25/26 AND A.25/23 THEN A ELSE N/A	-- TSPC_ AddInfo_CC AND TSPC_ Addinfo_DualRate
C51	IF A.25/40 THEN A ELSE N/A	-- TSPC_ Addinfo_SIMRmv
C52	IF A.25/2 OR A.25/3 THEN A ELSE N/A	-- TSPC_ AddInfo_FullRateSpeech OR TSPC_ AddInfo_HalfRateSpeech
C53	IF NOT (A.25/2 AND A.25/3) THEN A ELSE N/A	-- TSPC_ NOT (AddInfo_FullRateSpeech AND TSPC_ AddInfo_HalfRateSpeech)
C55	IF (NOT A.25/27) AND (NOT A.25/51) AND A.25/19 THEN A ELSE N/A	-- (NOT TSPC_ Addinfo_EmgOnly) AND (NOT TSPC_ Addinfo_ImmConn) AND TSPC_ Addinfo_MTsvc
C56	IF A.3/1 OR A.3/2 OR A.3/6 OR A.4/20 THEN A ELSE N/A	-- TSPC_Serv_TS11 OR TSPC_Serv_TS12 OR TSPC_Serv_TS61 OR TSPC_Serv_BS61
C58	IF A.3/6 OR A.4/20 OR A.4/21 THEN A ELSE N/A	-- TSPC_Serv_TS61 OR TSPC_Serv_BS61 OR TSPC_Serv_BS81
C59	IF A.5/13 THEN A ELSE N/A	-- TSPC_Serv_SS_AoCI
C62	IF A.5/16 OR A.5/18 OR A.5/17 OR A.5/19 OR A.5/15 THEN A ELSE N/A	-- TSPC_Serv_SS_BOIC OR TSPC_Serv_SS_BAIC OR TSPC_Serv_SS_BOICexHC OR TSPC_Serv_SS_BICRoam OR TSPC_Serv_SS_BAOC
C64	IF A.5/7 OR A.5/5 THEN A ELSE N/A	-- TSPC_Serv_SS_CFNRy OR TSPC_Serv_SS_CFU
C65	IF A.5/6 OR A.5/5 OR A.5/8 OR A.5/7 THEN A ELSE N/A	-- TSPC_Serv_SS_CFB OR TSPC_Serv_SS_CFU OR TSPC_Serv_SS_CFNRc OR TSPC_Serv_SS_CFNRy
C66	IF A.5/6 OR A.5/8 OR A.5/7 THEN A ELSE N/A	-- TSPC_Serv_SS_CFB OR TSPC_Serv_SS_CFNRc OR TSPC_Serv_SS_CFNRy
C67	IF A.5/6 THEN A ELSE N/A	-- TSPC_Serv_SS_CFB
C68	IF A.5/19 AND A.5/15 THEN A ELSE N/A	-- TSPC_Serv_SS_BICRoam AND TSPC_Serv_SS_BAOC
C69	IF A.5/14 AND A.25/40 THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC AND TSPC_ Addinfo_SIMRmv
C70	IF A.5/14 AND A.5/10 THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC AND TSPC_Serv_SS_HOLD
C71	IF A.5/14 AND A.5/11 THEN A ELSE N/A	-- TSPC_Serv_SS_AoCC AND TSPC_Serv_SS_MPTY
C72	IF A.3/3 AND A.25/26 THEN A ELSE N/A	-- TSPC_Serv_TS21 AND TSPC_ AddInfo_CC
C73	IF A.3/4 AND A.3/3 AND A.25/26 THEN A ELSE N/A	-- TSPC_Serv_TS22 AND TSPC_Serv_TS21 AND TSPC_ AddInfo_CC
C74	IF A.3/3 AND (A.25/36) THEN A ELSE N/A	-- TSPC_Serv_TS21 AND TSPC_ Addinfo_StoreRcvSMSSIM
C76	IF A.1/6 THEN A ELSE N/A	-- Type_MB_Simul
C78	IF A.1/6 AND A.25/26 THEN A ELSE N/A	-- Type_MB_Simul AND TSPC_ AddInfo_CC
C79	IF A.25/26 AND A.25/61 THEN A ELSE N/A	-- TSPC_ AddInfo_CC AND TSPC_AddInfo_PseudoSynch
C80	IF A.25/62 THEN A ELSE N/A	-- TSPC_AddInfo_5V
C81	IF A.25/63 THEN A ELSE N/A	-- TSPC_AddInfo_3V
C82	IF A.25/64 THEN A ELSE N/A	-- TSPC_AddInfo_5V3V
C83	IF A.25/65 THEN A ELSE N/A	-- TSPC_ Addinfo_EFR
C84	IF A.25/20 AND A.25/65THEN A ELSE N/A	-- TSPC_ Addinfo_EFR AND TSPC_ Addinfo_MOsvc
C85	IF A.25/19 AND A.25/65THEN A ELSE N/A	-- TSPC_ Addinfo_EFR AND TSPC_ Addinfo_MTsvc
C86	IF A.1/15 THEN A ELSE N/A	-- TSPC_Type_HSCSD_Multislot
C87	IF A.1/15 AND A.25/26 THEN A ELSE N/A	-- TSPC_Type_GPRS_Multislot_operation AND TSPC_ AddInfo_CC
C88	IF A.1/15 AND A.25/20 THEN A ELSE N/A	-- Type_GPRS_Multislot_operation AND TSPC_ Addinfo_MOsvc
C89	IF A.1/15 AND A.25/19 THEN A ELSE N/A	-- Type_GPRS_Multislot_operation AND TSPC_ Addinfo_MTsvc
C90	IF A.1/15 AND NOT A.25/50 THEN A ELSE N/A	-- TSPC_Type_GPRS_Multislot_operation AND NOT TSPC_AddInfo_ApplAlwaysRun
C91	IF A.25/95 THEN A ELSE N/A	-- TSPC_AddInfo_1,8V
C92	IF A.25/104 THEN A ELSE N/A	-- TSPC_AddInfo_IntegrAntenna
C93	IF A.1/15 AND A.25/60 THEN A ELSE N/A	-- TSPC_Type_HSCSD_Multislot AND TSPC_AddInfo_PermAntenna
C94	IF A.1/15 AND A.25/104 THEN A ELSE N/A	-- TSPC_Type_HSCSD_Multislot AND TSPC_AddInfo_IntegrAntenna

C95	IF A.1/51 AND A.25/60 AND A.1/57 THEN A ELSE N/A	-- TSPC_Type_GPRS_Multislot_operation AND TSPC_AddInfo_PermAntenna AND TSPC_Type_GPRS_Multislot_uplink
C96	IF A.1/51 AND A.25/104 AND A.1/57 THEN A ELSE N/A	-- TSPC_Type_GPRS_Multislot_operation AND TSPC_AddInfo_IntegrAntenna AND TSPC_Type_GPRS_Multislot_uplink
C97	IF A.1/52 AND A.25/60 THEN A ELSE N/A	-- TSPC_Type_EGPRS_8PSK_uplink AND TSPC_AddInfo_PermAntenna
C98	IF A.1/52 AND A.25/104 THEN A ELSE N/A	-- Type_EGPRS_8PSK_uplink AND TSPC_AddInfo_IntegrAntenna
C99	IF (NOT A.1/3) AND A.25/60 THEN A ELSE N/A	-- NOT TSPC_Type_GSM_R_Band AND TSPC_AddInfo_PermAntenna
C100	IF (NOT A.1/3) AND (A.25/2 OR A.25/3) THEN A ELSE N/A	-- NOT TSPC_Type_GSM_R_Band AND (TSPC_AddInfo FullRateSpeech OR TSPC_AddInfo FullRateSpeech)
C101	IF A.25/96 THEN A ELSE N/A	-- TSPC_AddInfo_1,8V3V
C102	IF NOT A.1/3 THEN A ELSE N/A	-- NOT Type_GSM_R_Band
C103	IF A.1/3 THEN A ELSE N/A	-- TSPC_Type_GSM_R_Band
C104	IF A.25/66b OR A.25/68 THEN A ELSE N/A	-- TSPC_ Addinfo_VBS_Listening OR TSPC_ Addinfo_VGCS_Listening
C105	IF (A.25/66b OR A.25/68) AND A.25/71 AND A.25/80 AND A.25/81 AND A.25/82 THEN A ELSE N/A	-- (TSPC_ Addinfo_VBS_Listening OR TSPC_ Addinfo_VGCS_Listening) AND TSPC_ Addinfo_NCH_ReducedMonitor AND TSPC_ Addinfo_NCH_Monit_Rev AND TSPC_ Addinfo_NCH_Monit_Tra AND TSPC_ Addinfo_NCH_Monit_Ded
C106	IF A.25/67 OR A.25/69 THEN A ELSE N/A	-- TSPC_ Addinfo_VBS_Originating OR TSPC_ Addinfo_VGCS_Talking
C107	IF A.25/67 OR A.25/70 THEN A ELSE N/A	-- TSPC_ Addinfo_VBS_Originating OR TSPC_ Addinfo_VGCS_ Originating
C108	IF A.25/69 THEN A ELSE N/A	-- TSPC_ Addinfo_VGCS_Talking
C109	IF A.25/70 THEN A ELSE N/A	-- TSPC_ Addinfo_VGCS_Originating
C110	IF A.25/67 THEN A ELSE N/A	-- TSPC_ Addinfo_VBS_Originating
C111	IF A.5/21 AND A.3/1 THEN A ELSE N/A	-- TSPC_Serv_eMLPP AND TSPC_Serv_TS11
C112	IF A.5/21 AND A.5/10 AND A.5/9 AND A.3/1 THEN A ELSE N/A	-- TSPC_Serv_eMLPP AND TSPC_Serv_SS_HOLD AND TSPC_Serv_SS_CW AND TSPC_Serv_TS11
C113	IF (A.25/66b OR A.25/68) AND A.5/21 THEN A ELSE N/A	-- (TSPC_ Addinfo_VBS_Listening OR TSPC_ Addinfo_VGCS_Listening) AND TSPC_Serv_eMLPP
C114	IF A.5/21 THEN A ELSE N/A	-- TSPC_Serv_eMLPP
C115	IF A.25/60 AND A.1/3 THEN A ELSE N/A	-- TSPC_AddInfo_PermAntenna AND TSPC_Type_GSM_R_Band
C116	IF (A.25/2 OR A.25/3) AND A.1/3 THEN A ELSE N/A	-- (TSPC_Addinfo_FullrateSpeech OR TSPC_Addinfo_HalfrateSpeech) AND TSPC_Type_GSM_R_Band
C119	IF A.1/3 AND NOT (A.25/2 OR A.25/3) THEN A ELSE N/A	-- TSPC_Type_GSM_R_Band AND NOT (TSPC_ Addinfo_FullrateSpeech OR TSPC_Addinfo_HalfrateSpeech)
C120	IF A.25/7 AND A.25/66a THEN A ELSE N/A	-- TSPC_AddInfo_NonTransData AND TSPC_AddInfo_NonDefaultRlpParam
C121	IF A.25/57 THEN A ELSE N/A	-- TSPC_AddInfo_SpeechHandset
C122	IF A.25/58 THEN A ELSE N/A	-- TSPC_AddInfo_MT2
C123	IF (A.1/2 OR A.1/3) AND A.25/26 THEN A ELSE N/A	-- (TSPC_Type_GSM_E_Band OR TSPC_Type_GSM_R_Band) AND TSPC_AddInfo_CC
C124	IF A.1/2 OR A.1/3 THEN A ELSE N/A	-- TSPC_Type_GSM_E_Band OR TSPC_Type_GSM_R_Band
C125	IF (A.1/2 OR A.1/3) AND (A.3/1 OR A.3/6 OR A.3/7) THEN A ELSE N/A	-- (TSPC_Type_GSM_E_Band OR TSPC_Type_GSM_R_Band) AND (TSPC_Serv_TS11 OR TSPC_Serv_TS61 OR TSPC_Serv_TS62)
C126	IF (A.1/2 OR A.1/3) AND A.3/1 THEN A ELSE N/A	-- (TSPC_Type_GSM_E_Band OR TSPC_Type_GSM_R_Band) AND TSPC_Serv_TS11
C127	IF A.1/6 AND (A.3/1 OR A.3/7) THEM A ELSE N/A	-- TSPC_Type_MB_Simul AND (TSPC_Serv_TS11 OR TSPC_Serv_TS62)
C128	IF A.25/68 THEN A ELSE N/A	-- TSPC_ Addinfo_VGCS_Listening
C129	IF (A.1/1 OR a.1/6) AND (A.25/41 OR A.25/42) THEN A ELSE N/A	-- (TSPC_Type_DCS_Band OR TSPC_Type_MB_Simul) AND (TSPC_AddInfo_ID1 OR TSPC_AddInfo_PlugIn)

C130	IF A.25/19 AND A.25/54 THEN A ELSE N/A	-- TSPC_ Addinfo_MTsvc AND TSPC_ Addinfo_RefusalCall
C131	IF A.3/1 OR A.3/7 THEN A ELSE N/A	-- TSPC_Serv_TS11 OR TSPC_Serv_TS62
C132	IF A.25/44 THEN A ELSE N/A	-- TSPC_AddInfo_Pin2
C133	IF A.5/6 OR A.5/8 THEN A ELSE N/A	-- TSPC_Serv_SS_CFB OR TSPC_Serv_SS_CFNRy
C134	IF A.5/16 THEN A ELSE N/A	-- TSPC_Serv_SS_BAOC
C135	IF A.5/18 THEN A ELSE N/A	-- TSPC_Serv_SS_BAIC
C136	IF A.5/17 THEN A ELSE N/A	-- TSPC_Serv_SS_BOICexHC
C137	IF A.5/17 OR A.5/18 THEN A ELSE N/A	-- TSPC_Serv_SS_BOICexHC OR TSPC_Serv_SS_BAIC
C138	IF A.5/16 OR A.5/19 THEN A ELSE N/A	-- TSPC_Serv_SS_BOIC OR TSPC_Serv_SS_BICRoam
C139	IF A.5/20 THEN A ELSE N/A	-- TSPC_Serv_SS_unstruct
C140	IF A.5/20 AND A.25/26 THEN A ELSE N/A	-- TSPC_Serv_SS_unstruct AND TSPC_ AddInfo_CC
C141	IF A.5/3 AND A.5/4 AND A.25/35 THEN A ELSE N/A	-- TSPC_Serv_SS_COLP AND TSPC_Serv_SS_COLR AND TSPC_ Addinfo_SMSStatusRepCap
C142	IF A.5/3 AND A.25/35 THEN A ELSE N/A	-- TSPC_Serv_SS_COLP AND TSPC_ Addinfo_SMSStatusRepCap
C143	IF A.5/3 AND A.25/34 AND (A.25/36 OR A.25/37)	-- TSPC_Serv_SS_COLP AND TSPC_ Addinfo_DispRcvSMS AND (TSPC_ Addinfo_StoreRcvSMSSIM OR TSPC_ Addinfo_StoreRcvSMSME)
C144	IF A 5/3 AND A.25/33 AND A.25/34 THEN A ELSE N/A	-- TSPC_Serv_SS_COLP AND TSPC_ Addinfo_ReplaceSMS AND TSPC_ Addinfo_DispRcvSMS
C145	IF A.5/3 AND A.5/4 AND A.25/32 AND A.25/34 THEN A ELSE N/A	-- TSPC_Serv_SS_COLP AND TSPC_Serv_SS_COLR AND TSPC_ Addinfo_ReplyProc AND TSPC_ Addinfo_DispRcvSMS
C190	IF A.2/1 THEN A ELSE N/A	-- TSPC_Feat_DCN
C191	IF A.5/28 THEN A ELSE N/A	-- TSPC_Serv_SS_FollowMe
C192	IF A.5/25 THEN A ELSE N/A	-- TSPC_Serv_SS_ImpUUS1
C193	IF A.5/24 THEN A ELSE N/A	-- TSPC_Serv_SS_ECT
C194	IF A.5/11 THEN A ELSE N/A	-- TSPC_Serv_SS_MPTY
C195	IF A.5/10 THEN A ELSE N/A	-- TSPC_Serv_SS_HOLD
C196	IF A.5/9 THEN A ELSE N/A	-- TSPC_Serv_SS_CW
C197	IF A.5/1 THEN A ELSE N/A	-- TSPC_Serv_SS_CLIP
C198	IF A.5/2 THEN A ELSE N/A	-- TSPC_Serv_SS_CLIR
C199	IF A.5/3 THEN A ELSE N/A	-- TSPC_Serv_SS_COLP
C200	IF A.5/4 THEN A ELSE N/A	-- TSPC_Serv_SS_COLR
C201	IF A.2/11 THEN A ELSE N/A	-- TSPC_Feat_ServInd
C202	IF A.2/14 THEN A ELSE N/A	-- TSPC_Feat_SIM
C203	IF A.25/79 THEN A ELSE N/A	-- TSPC_ Addinfo_AMR
C204	IF A.1/57 THEN A ELSE N/A	-- TSPC_Type_GPRS_Multislot_uplink
C206	IF A.2/39 THEN A ELSE N/A	-- TSPC_Feat_audible_tone
C207	IF A.2/38 THEN A ELSE N/A	-- TSPC_SoLSA
C208	IF A.2/52 THEN A ELSE N/A	-- TSPC_GSM_CTS
C209	IF A.2/52 AND (A.1/1 OR A.1/2 OR A.1/3 OR A.1/4) THEN A ELSE N/A	-- TSPC_GSM_CTS AND (TSPC_Type_GSM_P_Band OR TSPC_Type_GSM_E_Band OR TSPC_Type_GSM_R_Band OR TSPC_Type_DCS_Band)
C210	IF A.2/41 AND A.25/26 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC AddInfo_CC
C211	IF A.2/42 AND NOT A.1/18 THEN A ELSE N/A	-- TSPC_EGPRS AND TSPC_Type_GPRS_Multislot_operation
C213	IF A.2/58 THEN A ELSE N/A	-- TSPC_COMPACT
C214	IF A.2/53 THEN A ELSE N/A	-- TSPC_ECSD
C215	IF A.2/41 THEN A ELSE N/A	-- TSPC_GPRS
C216	IF A.2/42 THEN A ELSE N/A	-- TSPC_EGPRS
C220	IF A.25/109 THEN A ELSE N/A	-- TSPC AddInfo_MultSMS
C221	IF A.2/41 AND A.2/48 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_operation_mode_B
C222	IF A.2/41 AND A.25/83 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_Addinfo_1PDP_CA
C223	IF A.2/41 AND A.25/84 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_Addinfo_mor1PDP CA
C224	IF A.2/41 AND A.25/85 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_Addinfo_mor1PDP CA_SAPI
C225	IF A.2/41 AND A.25/88 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_Addinfo_N_req_PDP_CA

C226	IF A.2/41 AND A.2/47 OR A.2/48 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_operation_mode_A OR TSPC_operation_mode_B
C227	IF A.2/41 AND NOT (A.1/22 OR A.1/23 OR A.1/25 OR A.1/29) THEN A ELSE N/A	-- TSPC_GPRS AND NOT (TSPC_Type_Multislot_Class1 AND TSPC_Type_Multislot_Class2 AND TSPC_Type_Multislot_Class4 AND TSPC_Type_Multislot_Class8)
C228	IF A.2/41 AND (A.1/24 OR A.1/25 OR A.1/26 OR A.1/27 OR A.1/28 OR A.1/29 OR A.1/30 OR A.1/31 OR A.1/32 OR A.1/33 OR A.1/34 OR A.1/35 OR A.1/36 OR A.1/37 OR A.1/38 OR A.1/39 OR A.1/40 OR A.1/41 OR A.1/42 OR A.1/43 OR A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC_Type_Multislot_Class3 OR TSPC_Type_Multislot_Class4 OR...OR TSPC_Type_Multislot_Class29)
C229	IF A.2/41 AND (A.1/40 OR A.1/45) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC_Type_Multislot_Class19 OR TSPC_Type_Multislot_Class24)
C230	IF A.2/41 AND (A.1/31 OR A.1/32 OR A.1/33 OR A.1/34 OR A.1/35 OR A.1/36 OR A.1/37 OR A.1/38 OR A.1/39 OR A.1/40 OR A.1/41 OR A.1/42 OR A.1/43 OR A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC_Type_Multislot_Class10 OR...OR TSPC_Type_Multislot_Class29)
C231	IF A.2/41 AND A.1/22 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_Type_Multislot_Class1
C232	IF A.2/41 AND (A.1/40 OR A.1/41 OR A.1/42 OR A.1/43 OR A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC_Type_Multislot_Class3 OR TSPC_Type_Multislot_Class19 OR...OR TSPC_Type_Multislot_Class29)
C233	IF A.2/41 AND (A.1/24 OR A.1/26 OR A.1/27 OR A.1/28 OR A.1/30 A.1/31 OR A.1/32 OR A.1/33 OR A.1/34 OR A.1/35 OR A.1/36 OR A.1/37 OR A.1/38 OR A.1/39 OR A.1/40 OR A.1/41 OR A.1/42 OR A.1/43 OR A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC_Type_Multislot_Class3 OR TSPC_Type_Multislot_Class5 OR TSPC_Type_Multislot_Class6 OR TSPC_Type_Multislot_Class7 OR TSPC_Type_Multislot_Class9 OR TSPC_Type_Multislot_Class10 OR...OR TSPC_Type_Multislot_Class29)
C234	IF A.2/41 AND (A.1/23 OR A.1/24 OR A.1/25 OR A.1/26 OR A.1/27 OR A.1/29 OR A.1/30 OR A.1/31 OR A.1/40 OR A.1/45) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC_Type_Multislot_Class2 OR TSPC_Type_Multislot_Class3 OR TSPC_Type_Multislot_Class4 OR TSPC_Type_Multislot_Class5 OR TSPC_Type_Multislot_Class6 OR TSPC_Type_Multislot_Class8 OR TSPC_Type_Multislot_Class9 OR TSPC_Type_Multislot_Class10 OR TSPC_Type_Multislot_Class19 OR TSPC_Type_Multislot_Class24)
C235	IF A.2/41 AND (A.25/83 OR A.25/84 OR A.2/50) THEN A ELSE N/A	-- TSPC_GPRS AND (TSPC AddInfo_1PDP_CA OR TSPC_ AddInfo_mor1PDP CA OR TSPC_SMS_over_GPRS)
C236	IF A.2/41 AND NOT A.25/90 THEN A ELSE N/A	-- TSPC_GPRS AND NOT TSPC_AddInfo_on_auto_GPRS_AP
C237	IF A.2/41 AND NOT A.25/88 THEN A ELSE N/A	-- TSPC_GPRS AND NOT TSPC_AddInfo_N_req_PDP_CA
C238	IF A.1/52 THEN A ELSE N/A	-- TSPC_Type_EGPRS_8PSK_uplink Multislot_operation
C248	IF A.2/41 AND A.25/89 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC AddInfo_min_QoS
C251	IF A.25/94 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit
C252	IF A.25/94 AND A.26.1/5 AND A.26.3/4 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND
C253	IF A.25/94 AND A.26.3/1 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Display_Text
C254	IF A.25/94 AND A.26.3/2 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Get_Inkey
C255	IF A.25/94 AND A.26.3/3 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Get_Inkey
C256	IF A.25/94 AND A.26.3/4 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_More_Time
C257	IF A.25/94 AND A.26.3/5 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Play_Tone
C258	IF A.25/94 AND A.26.3/6 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Poll_Interval

C259	IF A.25/94 AND A.26.3/7 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Refresh
C260	IF A.25/94 AND A.26.3/8 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Setup_Menu
C261	IF A.25/94 AND A.26.3/9 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Select_Item
C262	IF A.3/4 AND A.26.3/10 AND A.25/94 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Send_SMS AND TSPC_Serv_TS22 AND TSPC_SMS_description
C263	IF A.3/1 AND A.25/94 AND A.26.3/11 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND TSPC_Serv_TS11 AND Pro_Send_SS
C264	IF A.25/94 AND A.26.3/12 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Setup_Call
C265	IF A.25/94 AND A.26.3/13 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Polling_Off
C266	IF A.25/94 AND A.26.3/14 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Provide_Local
C267	IF A.25/94 AND A.3/3 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND TSPC_Serv_TS21
C268	IF A.25/94 AND A.26.3/3 AND A.26.1/7 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND Pro_Get_Inkey AND SAT_FEA_Menu_Sel
C269	IF A.25/94 AND A.3/1 AND A.25/20 AND A.26.1/8 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND TSPC_Serv_TS11 AND TSPC_ AddInfo_MOsvc AND SAT_FEA_CC
C270	IF A.25/94 AND A.3/1 AND A.26.1/8 AND A.2/21 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND TSPC_Serv_TS11 AND SAT_FEA_CC AND TSPC_Feat_FND
C271	IF A.25/94 AND A.3/1 AND A.2/22 THEN A ELSE N/A	-- TSPC_AddInfo_SIM_Appl_Toolkit AND TSPC_Serv_TS11 AND TSPC_Feat_BO
C272	IF A.25/97 THEN A ELSE N/A	-- TSPC_AddInfo_MultSMsameRR
C273	IF A.1/56 THEN A ELSE N/A	-- TSPC_Type_UTRAN
C274	IF A.2/41 AND A.25/105 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_AddInfo_Comb_DP_no_pwr_off
C275	IF A.2/41 AND A.25/106 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_AddInfo_Usr_non_GPRS_DP
C276	IF A.2/42 AND (A.1/24 OR A.1/26 OR A.1/27 OR A.1/28 OR A.1/30 A.1/31 OR A.1/32 OR A.1/33 OR A.1/34 OR A.1/35 OR A.1/36 OR A.1/37 OR A.1/38 OR A.1/39 OR A.1/40 OR A.1/41 OR A.1/42 OR A.1/43 OR A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50) THEN A ELSE N/A	-- TSPC_EGPRS AND (TSPC_Type_Multislot_Class3 OR TSPC_Type_Multislot_Class5 OR TSPC_Type_Multislot_Class6 OR TSPC_Type_Multislot_Class7 OR TSPC_Type_Multislot_Class9 OR TSPC_Type_Multislot_Class10 OR...OR TSPC_Type_Multislot_Class29)
C277	IF A.2/42 AND (A.1/23 OR A.1/24 OR A.1/25 OR A.1/26 OR A.1/27 OR A.1/29 OR A.1/30 OR A.1/31 OR A.1/40 OR A.1/45) THEN A ELSE N/A	-- TSPC_EGPRS AND (TSPC_Type_Multislot_Class2 OR TSPC_Type_Multislot_Class3 OR TSPC_Type_Multislot_Class4 OR TSPC_Type_Multislot_Class5 OR TSPC_Type_Multislot_Class6 OR TSPC_Type_Multislot_Class8 OR TSPC_Type_Multislot_Class9 OR TSPC_Type_Multislot_Class10 OR TSPC_Type_Multislot_Class19 OR TSPC_Type_Multislot_Class24)
C278	IF A.2/42 AND (A.25/83 OR A.25/84 OR A.2/50) THEN A ELSE N/A	-- TSPC_EGPRS AND (TSPC AddInfo_1PDP_CA OR TSPC_ AddInfo_mor1PDP CA OR TSPC_SMS_over_GPRS)
C279	IF A.2/42 AND A.25/83 THEN A ELSE N/A	-- TSPC_EGPRS AND TSPC AddInfo_1PDP_CA
C280	IF A.25/57 AND NOT A.2/56 THEN A ELSE N/A	--TSPC_AddInfo_SpeechHandset AND (NOT TSPC_Type_UTRAN)
C281	IF A.2/57 THEN A ELSE N/A	-- TSPC_EOTD
C282	IF A.2/41 AND A.25/88 AND A.25/110 THEN A ELSE N/A	-- TSPC_GPRS AND TSPC_Addinfo_N_req_PDP_CA AND TSPC_Cell_Resel
C283	IF A.2/59 THEN A ELSE N/A	-- TSPC_A-GPS_Based
C284	IF A.2/60 THEN A ELSE N/A	-- TSPC_A-GPS_Assist

Annex C (informative): Guidance for updating the PICS specification

The purpose of this Guidance for updating the PICS specification is to check the influence of a newly created, deleted or modified test case to the PICS specification and to fit the tables according the change.

This Guidance for updating the PICS specification shall give a recommendation, how to check and update all relevant tables and columns.

C.1 Update of tables of Annex A

In Annex A, all PICS items are listed and structured in tables of options and features.

If a test case is newly created, modified or deleted, the PICS items used for this test case has to be identified or known to update Annex A.

C.2 Identification of PICS items

Support of PICS items can either be necessary to perform a test case, these PICS can be called Applicability PICS, or the support of PICS items can be inquired within a test case, these PICS can be called Capability PICS.

Applicability PICS are mostly described in clause “Definition and Applicability” in a test case description.

Capability PICS should be defined in subclause “Related PICS/PIXIT statements” which is mostly a part for the “Method of test” description.

C.3 Update of PICS items

It shall be checked, in which table of Annex A the identified PICS items can be assigned to.

If there are new PICS to be added where no existing tables refer to, a new table shall be created. Here, the given prerequisites have to be considered and checked for assigning a table of Annex A.

For newly inserted PICS items, a Mnemonic shall be created and the Status column shall be checked and set (M, O,X, N/A, O.i, Ci). For a Status “Ci: conditional”, the logical expression has to be defined on the end of the table.

The Status of a PICS could either be mentioned in the PICS Reference (Reference column) or in the test case description or it should be set by the test case writer.

The PICS Reference refers to a certain Release (Release column), i.e. when the PICS appears for the first time in the GSM and/or 3GPP reference.

C.4 Update of table B.1 of Annex B

In Annex B, all test cases as described in 3GPP TS 51.010-1, 3GPP TS 11.10-1 or 3GPP TS 11.10-4 are listed in table B.1.

If a test case is newly created, modified or deleted, the table B.1 has to be updated accordingly.

C.5 Update of the listed tests of table B.1

For newly created or modified test cases, the test case title and the clause number has to be listed or updated in table B.1.

If a newly created or modified test case is separated in sub-procedures dependent on different applicability conditions, the test case should be listed accordingly.

A test case is grouped to test a certain feature. Therefore the Release column shall indicate, in which Release of the core specification the tested feature was included for the first time. For instance, if a newly created test case tests a GPRS feature, the Release column is to set to R97, where the feature GPRS was added in the core specification.

C.6 Update of the applicability conditions of table B.1

For newly created or modified test cases, the Status column shall be checked (A, N/A, Ci).

I.e. the updated applicability status for the test case has to be set in the Status column.

If there is no applicability PICS necessary to perform a test case, the status “A” should be assigned.

If there is a logical combination of PICS items necessary to perform a test case, this combination shall be defined and updated as Status “Ci: conditional” on the end of the table and assigned to this test case. For instance, if a newly created test case needs the support of GPRS, the Status is conditional “Ci” and the logical combination has to use the PICS item “Support of GPRS”.

The applicability column shall be checked and updated towards the Status of the test case.

It gives a short overview, when this test case is applicable.

If a deleted test cases was assigned with a Status “Ci:conditional”, it should be checked, if this condition is used for further test cases, if not, the logical expression on the end of table B.1 can be deleted.

If a logical expression is deleted, it should be checked, if the used PICS items of tables A are also be removable.

Annex D (informative): Change history

Change history									
TSG #	TSG Doc	CR	Rev	Subject/Comment	Cat	Old	New	WG Doc	Work item
GP-04	GP-010465			Approved as v4.0.0		2.0.0	4.0.0		
GP-05	GP-011151	001		Update to applicability table in 51.010-2 due to TDoc G4-010225	F	4.0.0	4.1.0	G4-010242	GPRS
GP-05	GP-011151	002		Addition of EDGE test cases to the applicability table	F	4.0.0	4.1.0	G4-010329	EDGE
GP-05	GP-011151	004		Deletion of Test cases 13.5 and 13.17.5 from the Applicability Table	F	4.0.0	4.1.0	G4-010311	TEI
GP-05	GP-011151	005		Update of the Applicability Table with test cases for GPRS Cell Selection/Reselection 20.22	F	4.0.0	4.1.0	G4-010315	GPRS
GP-05	GP-011151	006		Recommendation for updating the PICS specification 3GPP TS 51.010-2 according to changes in 3GPP TS 51.010-1 or 3GPP TS 11.10-4	B	4.0.0	4.1.0	G4-010302	TEI
GP-06	GP-011466	007		Harmonisation of conformance tests related to terminal acoustics in GSM and 3G	F	4.1.0	4.2.0	G4-010336	TEI
GP-06	GP-011466	008		Correction of title for clause 44.2.3.3.4	F	4.1.0	4.2.0	G4-010369	GPRS
GP-06	GP-011466	009		Correction of conditional statement C226	F	4.1.0	4.2.0	G4-010436	GPRS
GP-06	GP-011466	010		Addition of new EGPRS test cases for section 51.3 (TBF Release)	F	4.1.0	4.2.0	G4-010419	EDGE
GP-06	GP-011466	011		Addition of new EGPRS test cases for section 52.4 (Measurement reports and Cell change order procedures)	F	4.1.0	4.2.0	G4-010420	EDGE
GP-06	GP-011466	012		Applicability table for EGPRS RR Paging Procedures	F	4.1.0	4.2.0	G4-010423	EDGE
GP-06	GP-011466	013		Applicability table for EGPRS Medium Access Control (MAC) Protocol/ Fixed Allocation	F	4.1.0	4.2.0	G4-010425	EDGE
GP-06	GP-011466	014		Addition of new EGPRS test cases for section 53 (EGPRS RLC Testcases)	F	4.1.0	4.2.0	G4-010429	EDGE
GP-06	GP-011466	015		Addition of new EGPRS test cases for section 52.3 (EGPRS MAC Dynamic Allocation)	F	4.1.0	4.1.0	G4-010534	EDGE
GP-06	GP-011466	016		Applicability table for Handover Test Cases	F	4.1.0	4.2.0	G4-010453	GSM/ UMTS interworking
GP-06	GP-011466	017		Addition of 1,8V and 1,8V/3V SIM-ME interface test cases into 51.010-2 section A4.8 and Annex B (applicability table)	F	4.1.0	4.2.0	G4-010494	TEI
GP-06	GP-011466	018		Correction of COMPACT and SoLSA tests in the Release column of table B.1	F	4.1.0	4.2.0	G4-010448	TEI
GP-07	GP-012116	019		deletion of test case 27.11.2.1	F	4.2.0	4.3.0	G5-010043	TEI
GP-07	GP-012117	020		Correction of applicability condition C220 in Annex B.1	F	4.2.0	4.3.0	G5-010027	TEI
GP-07	GP-012118	021		Correction of applicability condition C52 in Annex B.1	F	4.2.0	4.3.0	G5-010028	TEI
GP-07	GP-012119	022		Changes to applicability of test case 44.2.1.2.3	F	4.2.0	4.3.0	G5-010149	GPRS
GP-07	GP-012120	023		45.2.1.2.1 – This Test Case Should Only Be Applicable To Mobiles That Support Configuration of Their QoS.	F	4.2.0	4.3.0	G5-010159	GPRS
GP-07	GP-012609	034		Applicability Table for E-OTD Test Cases for LCS Clause 70 (Rel-4)	F	4.2.0	4.3.0	-	LCS
GP-07	GP-012273	024		CR 51.010-2-024 on Annex B - removal of test case 51.2.4.2 (related to G4-010594) Rel-4	F	4.2.0	4.3.0	G4-010622	EDGE
GP-07	GP-012274	025		CR 51.010-2-025 on GSM 700 and GSM850 inclusion into foreward Rel-4	B	4.2.0	4.3.0	G4-010649	GSM 700
GP-07	GP-012275	026		CR 51.010-2-026 on New test cases for clause 42.1 Rel-4	B	4.2.0	4.3.0	G4-010649	GPRS
GP-07	GP-012276	027		CR 51.010-2-027 on change of test case name for clause 51.2.2.2. Rel-4	F	4.2.0	4.3.0	G4-010663	EDGE
GP-07	GP-012277	028		CR 51.010-2-028 on Table B1 - Addition of section 52.1 testcases to the applicability table Rel-4	B	4.2.0	4.3.0	G4-010669	EGPRS
GP-07	GP-012191	030		CR 51.010-2-030 Correction to the Applicability of test cases 13.17.1; 13.17.3 and 13.17.4 (Rel 4)	F	4.2.0	4.3.0	GP-012191	EDGE
GP-07	GP-012201	031		CR 51.010-2-31 Annex B - renameing of test case 51.2.4.1 (Rel 4)	F	4.2.0	4.3.0	GP-012201	EDGE
GP-07	GP-012722	034	1	CR 51.010-2-034r1 Bad frame indication - TCH/AFS -	B	4.2.0	4.3.0	GP-012722	AMR

Change history									
TSG #	TSG Doc	CR	Rev	Subject/Comment	Cat	Old	New	WG Doc	Work item
				Random RF input 51.010-2					
GP-07	GP-012732	035		CR 51.010-2-035 14.18.7 Incremental Redundancy Performance, (addition of a new test) (Rel-4)	B	4.2.0	4.3.0	GP-012732	EGPRS
GP-07	GP-012784	036		CR 51.010-2-036 Applicability of test 42.2.2.4; Fixed Allocation / Uplink Transfer / T3184 Expiry	F	4.2.0	4.3.0	GP-012784	GPRS
GP-07	GP-012296	037		CR 51.010-2-035 Bad frame indication - TCH/AHS - Random RF input 51.010-2	B	4.2.0	4.3.0	GP-012296	AMR
GP-08	GP-020367	041	1	Applicability Table for E-OTD Test Cases for LCS Clause 70 (Rel-4)	F	4.3.0	4.4.0	GP-020367	LCS
GP-08	GP-020064	042		Update of references	F	4.3.0	4.4.0	GP-020064	TEI
GP-08	GP-020148	044		Additional Test Case	B	4.3.0	4.4.0	GP-020148	GPRS
GP-08	GP-020378	045	1	Addition of LCS test cases to the Applicability Tables A2 and B.1	F	4.3.0	4.4.0	GP-020378	LCS

History

Document history		
V4.0.0	April 2001	Publication
V4.1.0	May 2001	Publication
V4.2.0	September 2001	Publication
V4.3.1	January 2002	Publication
V4.4.0	February 2002	Publication