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**Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification;
Part 2: Protocol Implementation Conformance Statement (PICS)
proforma specification
(GSM 11.10-2)**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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

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Contents

Foreword	5
Introduction	5
1 Scope	7
2 Normative references	7
3 Definitions and abbreviations	10
3.1 Definitions	10
3.2 Abbreviations	10
4 Conformance to this PICS proforma specification	11
Annex A (normative): PICS proforma for GSM phase 2 mobile stations	12
A.1 Guidance for completing the PICS proforma	12
A.1.1 Purposes and structure	12
A.1.2 Abbreviations and conventions	12
A.1.3 Instructions for completing the PICS proforma	14
A.2 Identification of the implementation	15
A.2.1 Date of the statement	15
A.2.2 Implementation Under Test (IUT) identification	15
A.2.3 System Under Test (SUT) identification	15
A.2.4 Product supplier	16
A.2.5 Client	17
A.2.6 PICS contact person	17
A.3 Identification of the protocol	18
A.4 PICS proforma tables	18
A.4.1 Global statement of conformance	18
A.4.2 Types of Mobile Stations	18
A.4.3 Mobile Station Features	19
A.4.4 Teleservices	20
A.4.5 Bearer Services	21
A.4.6 Supplementary Services	22
A.4.7 Bearer Capability Information	23
A.4.8 Additional Information	37
History	40

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Foreword

This final draft European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG), Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

This ETS provides the Protocol Implementation Conformance Statement (PICS) proforma for Mobile Stations (MSs), operating in the 900 MHz and 1 800 MHz frequency band (GSM 900 and DCS 1 800) within the digital cellular telecommunications system (Phase 2).

This ETS corresponds to GSM technical specification GSM 11.10-2 version 4.15.0.

ETS 300 607 consists of three parts, which have the following ETS numbers and titles:

ETS 300 607-1 Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification
Part 1: Conformance specification

Reference: GSM 11.10-1.

**ETS 300 607-2 Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification;
Part 2: Protocol Implementation Conformance Statement (PICS) proforma
specification**

Reference: GSM 11.10-2.

ETS 300 607-3 Digital cellular telecommunications system (Phase 1);
Mobile Station (MS) conformance specification;
Part 3: Layer 3 (L3) Abstract Test Suite (ATS)

Reference: GSM 11.10-3.

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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).

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1 Scope

This final draft European Telecommunication Standard (ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for Global System for Mobile Stations (MSs), operating in the 900 MHz and 1 800 MHz frequency band (GSM 900 and DCS 1 800) within the European digital cellular telecommunications system (Phase 2), 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].

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [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] ETS 300 500 (GSM 02.01): "European digital cellular telecommunication system (Phase 2); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)".
- [5] ETS 300 501 (GSM 02.02 Version 4.2.2): "Digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".
- [6] ETS 300 502 (GSM 02.03 Version 4.3.1): "Digital cellular telecommunication system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".
- [7] ETS 300 503 Edition 3 (GSM 02.04 Version 4.9.1): "Digital cellular telecommunication system (Phase 2); General on supplementary services".
- [8] ETS 300 504 Edition 3 (GSM 02.06 Version 4.4.0): "Digital cellular telecommunication system (Phase 2); Types of Mobile Stations (MS)".
- [9] ETS 300 505 Edition 2 (GSM 02.07 Version 4.7.0): "Digital cellular telecommunication system (Phase 2); Mobile Station (MS) features".
- [10] ETS 300 506 (GSM 02.09 Version 4.3.0): "Digital cellular telecommunication system (Phase 2); Security aspects".
- [11] Draft prETS 300 507 Edition 4 (GSM 02.11 Version 4.9.0): "Digital cellular telecommunication system (Phase 2); Service accessibility".
- [12] ETS 300 508 Edition 2 (GSM 02.16 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); International Mobile station Equipment Identities (IMEI)".
- [13] ETS 300 509 (GSM 02.17 Version 4.3.3): "Digital cellular telecommunication system (Phase 2); Subscriber identity modules Functional characteristics".

- [14] ETS 300 510 Edition 2 (GSM 02.24 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); Description of Charge Advice Information (CAI)".
- [15] ETS 300 511 Edition 2 (GSM 02.30 Version 4.13.0): "Digital cellular telecommunication system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)".
- [16] ETS 300 512 Edition 2 (GSM 02.40 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); Procedures for call progress indications".
- [17] ETS 300 513 (GSM 02.41 Version 4.5.2): "Digital cellular telecommunication system (Phase 2); Operator determined barring".
- [18] ETS 300 514 Edition 2 (GSM 02.81 Version 4.5.1): "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 1".
- [19] ETS 300 515 Edition 2 (GSM 02.82 Version 4.5.2): "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 1".
- [20] ETS 300 516 Edition 2 (GSM 02.83 Version 4.6.7): "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 1".
- [21] ETS 300 517 Edition 2 (GSM 02.84 Version 4.4.7): "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 1".
- [22] ETS 300 518 Edition 2 (GSM 02.85 Version 4.2.6): "Digital cellular telecommunication system (Phase 2); Closed User Group (CUG) supplementary services - Stage 1".
- [23] ETS 300 519 Edition 2 (GSM 02.86 Version 4.1.5): "Digital cellular telecommunication system (Phase 2); Advice of charge (AoC) supplementary services - Stage 1".
- [24] Draft prETS 300 536 Edition 4 (GSM 03.40 Version 4.13.0): "Digital cellular telecommunication system (Phase 2); Technical realization of the Short Message Service (SMS) Point to Point (PP)".
- [25] ETS 300 537 Edition 2 (GSM 03.41 Version 4.11.0): "Digital cellular telecommunication system (Phase 2); Technical realization of Short Message Service Cell Broadcast (SMSCB)".
- [26] ETS 300 538 Edition 2 (GSM 03.45 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); Technical realization of facsimile group 3 transparent".
- [27] ETS 300 539 (GSM 03.46 Version 4.1.2): "Digital cellular telecommunication system (Phase 2); Technical realization of facsimile group 3 non-transparent".
- [28] ETS 300 551 (GSM 04.02 Version 4.0.4): "Digital cellular telecommunication system (Phase 2); GSM Public Land Mobile Network (PLMN) access reference configuration".
- [29] ETS 300 553 (GSM 04.04 Version 4.0.4): "Digital cellular telecommunication system (Phase 2); layer 1 General requirements".
- [30] ETS 300 554 (GSM 04.05 Version 4.0.3): "Digital cellular telecommunication system (Phase 2); Data Link (DL) layer General aspects".

Final draft prETS 300 607-2: May 1996 (GSM 11.10-2 Version 4.15.0)

- [31] ETS 300 555 (GSM 04.06 Version 4.4.0): "Digital cellular telecommunication system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface Data Link (DL) layer specification".
- [32] ETS 300 556 (GSM 04.07 Version 4.3.1): "Digital cellular telecommunication system (Phase 2); Mobile radio interface signalling layer 3 General aspects".
- [33] Draft prETS 300 557 Edition 6 (GSM 04.08 Version 4.15.0): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 specification".
- [34] Draft prETS 300 558 Edition 2 (GSM 04.10 Version 4.10.0): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 Supplementary services specification General aspects".
- [35] Draft prETS 300 559 Edition 4 (GSM 04.11 Version 4.10.0): "Digital cellular telecommunication system (Phase 2); Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".
- [36] ETS 300 560 Edition 3 (GSM 04.12 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface".
- [37] ETS 300 561 Edition 3 (GSM 04.13 Version 4.2.0): "Digital cellular telecommunication system (Phase 2); Performance requirements on mobile radio interface".
- [38] ETS 300 562 Edition 3 (GSM 04.21 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Rate adaption on the Mobile Station - Base Station System (MS - BSS) interface".
- [39] ETS 300 563 (GSM 04.22 Version 4.4.0): "Digital cellular telecommunication system (Phase 2); 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".
- [40] Draft prETS 300 564 Edition 3 (GSM 04.80 Version 4.11.0): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 supplementary services specification Formats and coding".
- [41] ETS 300 565 (GSM 04.81 Version 4.4.1): "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 3".
- [42] Draft prETS 300 566 Edition 2 (GSM 04.82 Version 4.9.0): "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 3".
- [43] Draft prETS 300 567 Edition 2 (GSM 04.83 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 3".
- [44] ETS 300 568 (GSM 04.84 Version 4.3.2): "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 3".
- [45] Draft prETS 300 569 Edition 2 (GSM 04.85 Version 4.1.0): "Digital cellular telecommunication system (Phase 2); Closed User Group (CUG) supplementary services - Stage 3".
- [46] ETS 300 570 (GSM 04.86 Version 4.5.2): "Digital cellular telecommunication system (Phase 2); Advice of Charge (AoC) supplementary services - Stage 3".

- [47] Draft prETS 300 571 Edition 2 (GSM 04.88 Version 4.7.0): "Digital cellular telecommunication system (Phase 2); Call Barring (CB) supplementary services - Stage 3".
- [48] ETS 300 572 (GSM 04.90 Version 4.1.1): "Digital cellular telecommunication system (Phase 2); Unstructured supplementary services operation - Stage 3".
- [49] Draft prETS 300 573 Edition 4 (GSM 05.01 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Physical layer on the radio path General description".
- [50] Draft prETS 300 574 Edition 4 (GSM 05.02 Version 4.7.0): "Digital cellular telecommunication system (Phase 2); Multiplexing and multiple access on the radio path".
- [51] ETS 300 575 Edition 2 and Am1 (GSM 05.03 Version 4.3.0): "Digital cellular telecommunication system (Phase 2); Channel coding".
- [52] ETS 300 576 (GSM 05.04 Version 4.0.3): "Digital cellular telecommunication system (Phase 2); Modulation".
- [53] Draft prETS 300 577 Edition 7 (GSM 05.05 Version 4.15.0): "Digital cellular telecommunication system (Phase 2); Radio transmission and reception".
- [54] Draft prETS 300 578 Edition 7 (GSM 05.08 Version 4.17.0): "Digital cellular telecommunication system (Phase 2); Radio subsystem link control".
- [55] Draft prETS 300 579 Edition 6 (GSM 05.10 Version 4.9.0): "Digital cellular telecommunication system (Phase 2); Radio subsystem synchronisation".
- [56] ETS 300 582 Edition 4 (GSM 07.01 Version 4.10.0): "Digital cellular telecommunication system (Phase 2); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this ETS, the following definitions apply:

- terms defined in the relevant GSM specifications (see normative 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 this ETS, the following abbreviations apply:

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement

SCS
SUT

System Conformance Statement
System Under Test

4 Conformance to this PICS proforma specification

If it claims to conform to this ETS, 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.

An PICS which conforms to this ETS 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 phase 2 mobile stations

Notwithstanding the provisions of the copyright clause related to the text of this ETS, ETSI grants that users of this ETS may freely reproduce the PICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed PICS.

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?".

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.

Reference column

The reference column gives reference to the relevant GSM specifications.

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.

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 standards listed in the normative references clause of this ETS.

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 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.	Status	Support	Mnemonic
1	Standard GSM Band	GSM 02.06 3.2.1	O.102		Type_GSM_P_Band
2	Extended GSM Band (including standard Band)	GSM 02.06 3.2.1	O.102		Type_GSM_E_Band
3	DCS 1800	GSM 02.06 3.2.1	O.102		Type_DCS_Band
4	GSM Power Class 2	GSM 02.06, 4	C101		Type_GSM_Class2
5	GSM Power Class 3	GSM 02.06, 4	C101		Type_GSM_Class3
6	GSM Power Class 4	GSM 02.06, 4	C102		Type_GSM_Class4
7	GSM Power Class 5	GSM 02.06, 4	C102		Type_GSM_Class5
8	DCS Power Class 1	GSM 02.06, 4	C103		Type_DCS_Class1
9	DCS Power Class 2	GSM 02.06, 4	C103		Type_DCS_Class2
10	DCS Power Class 3	GSM 02.06, 4	C103		Type_DCS_Class3
11	Small Mobile Station	GSM 05.05, 1.1	C104		Type_SmallMS
C101	IF A.1/11 THEN X ELSE O.101		--	Type_SmallMS	
C102	IF A.1/1 OR A.1/2 THEN O.101 ELSE N/A		--	Type_GSM_P_Band OR Type_GSM_E_Band	
C103	IF A.1/3 THEN O.103 ELSE N/A		--	Type_DCS_Band	
C104	IF A.1/1 OR A.1/2 THEN O ELSE N/A		--	Type_GSM_P_Band OR Type_GSM_E_Band	
O.101	At least one of these items shall be supported				
O.102	At least one of these items shall be supported				
O.103	At least one of these items shall be supported				

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 features a mobile station given in the table below.

Table A.2: Mobile Station Features

Item	Mobile Station Feature	Ref.	Status	Support	Mnemonic
1	Display of Called Number	GSM 02.07 B.1.1	C202		Feat_DCN
2	Indication of Call Progress Signals	GSM 02.07 B.1.2	C202		Feat_CPSind
3	Country / PLMN Indication	GSM 02.07 B.1.3	C202		Feat_PLMNind
4	Country / PLMN Selection	GSM 02.07 B.1.4	M		Feat_PLMNsel
5	Keypad	GSM 02.07 B.1.5	O		Feat_Keypad
6	IMEI	GSM 02.07 B.1.6	M		Feat_IMEI
7	Short Message Overflow Indication	GSM 02.07 B.1.8	M		Feat_SMoverflow
8	DTE /DCE Interface	GSM 02.07 B.1.9	O		Feat_DTE_DCE
9	ISDN 'S' Interface	GSM 02.07 B.1.10	O		Feat_Sinterface
10	International Access Function	GSM 02.07 B.11	O		Feat_IntAccess
11	Service Indicator	GSM 02.07 B.1.12	C202		Feat_ServInd
12	Autocalling restriction capabilities	GSM 02.07 Annex A	C203		Feat_AutocallRestrict
13	Dual Tone Multi Frequency function	GSM 02.07 B.1.15	C201		Feat_DTMF
14	Subscription Identity Management	GSM 02.07 B.1.16	M		Feat_SIM
15	On / Off switch	GSM 02.07 B.1.17	O		Feat_OnOff
16	Subaddress	GSM 02.07 B.1.18	O		Feat_Subaddress
17	Support of Encryption A5/1	GSM 02.07 B.1.19	M		Feat_A51
18	Support of Encryption A5/2	GSM 02.07 B.1.19	M		Feat_A52
19	Short Message Service Cell Broadcast DRX	GSM 02.07 B.1.20	O		Feat_SMS_CB_DRX
20	Abbreviated Dialling	GSM 02.07 B.3.1	O		Feat_AD
21	Fixed Number Dialling	GSM 02.07 B.3.2	O		Feat_FND
22	Barring of Outgoing Calls	GSM 02.07 B.3.3	O		Feat_BO
23	DTMF Control Digits Separator	GSM 02.07 B.3.4	O		Feat_DTMF_CDS
24	Selection of Directory No in Short Messages	GSM 02.07 B.3.5	O		Feat_SM_Dir
25	Last Numbers Dialed	GSM 02.07 B.3.6	O		Feat_LND
26	At least one autocalling feature	GSM 02.07 2	O		Feat_Autocall
27	Human interface provided	GSM 02.07 2	O		Feat_HumanInterface

Table A.2: Mobile Station Features (concluded)

C201	IF A.3/1 OR A.3/2 OR A.4/20 OR A.4/21 THEN M ELSE N/A	-- Serv_TS11 OR Serv_TS12 OR Serv_BS61 OR Serv_BS81
C202	IF A.2/27 THEN M ELSE N/A	-- Feat_HumanInterface
C203	IF A.2/26 THEN M ELSE N/A	-- Feat_Autocall

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.	Status	Support	Mnemonic
1	Telephony	GSM 02.03 A.1.1	O		Serv_TS11
2	Emergency Call	GSM 02.03 A.1.2	C301		Serv_TS12
3	Short Message MT/PP	GSM 02.03 A.1.3	M		Serv_TS21
4	Short Message MO/PP	GSM 02.03 A.1.3.1	O		Serv_TS22
5	SMS Cell Broadcast	GSM 02.03 A.1.3.2	O		Serv_TS23
6	Teleservice Alternate Speech and G3 fax	GSM 02.03 A.1.4	O		Serv_TS61
7	Teleservice Automatic G3 fax	GSM 02.03 A.1.5	O		Serv_TS62
C301	IF A.3/1 THEN M ELSE N/A		-- 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.	Status	Support	Mnemonic
1	Data circuit duplex async. 300 bit/s	GSM 02.02 3	O		Serv_BS21
2	Data circuit duplex async. 1200 bit/s	GSM 02.02 3	O		Serv_BS22
3	Data circuit duplex async. 1200/75 bit/s	GSM 02.02 3	O		Serv_BS23
4	Data circuit duplex async. 2400 bit/s	GSM 02.02 3	O		Serv_BS24
5	Data circuit duplex async. 4800 bit/s	GSM 02.02 3	O		Serv_BS25
6	Data circuit duplex async. 9600 bit/s	GSM 02.02 3	O		Serv_BS26
7	Data circuit duplex sync. 1200 bit/s	GSM 02.02 3	O		Serv_BS31
8	Data circuit duplex sync. 2400 bit/s	GSM 02.02 3	O		Serv_BS32
9	Data circuit duplex sync. 4800 bit/s	GSM 02.02 3	O		Serv_BS33
10	Data circuit duplex sync. 9600 bit/s	GSM 02.02 3	O		Serv_BS34
11	PAD Access 300 bit/s	GSM 02.02 3	O		Serv_BS41
12	PAD Access 1200 bit/s	GSM 02.02 3	O		Serv_BS42
13	PAD Access 1200/75 bits/s	GSM 02.02 3	O		Serv_BS43
14	PAD Access 2400 bit/s	GSM 02.02 3	O		Serv_BS44
15	PAD Access 4800 bit/s	GSM 02.02 3	O		Serv_BS45
16	PAD Access 9600 bit/s	GSM 02.02 3	O		Serv_BS46
17	Packet Access 2400 bit/s	GSM 02.02 3	O		Serv_BS51
18	Packet Access 4800 bit/s	GSM 02.02 3	O		Serv_BS52
19	Packet Access 9600 bit/s	GSM 02.02 3	O		Serv_BS53
20	Alternate Speech/Data	GSM 02.02 3	O		Serv_BS61
21	Speech Followed by Data	GSM 02.02 3	O		Serv_BS81

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

Item	Supplementary Service	Ref.	Status	Support	Mnemonic
1	Calling Line Identification Presentation	GSM 02.04 3.1	O		Serv_SS_CLIP
2	Calling Line Identification Restriction	GSM 02.04 3.1	O		Serv_SS_CLIR
3	Connected Line Identification Presentation	GSM 02.04 3.1	O		Serv_SS_COLP
4	Connected Line Identification Restriction	GSM 02.04 3.1	O		Serv_SS_COLR
5	Call Forwarding Unconditional	GSM 02.04 3.1, GSM 02.07 2.1	M		Serv_SS_CFU
6	Call Forwarding on Mobile Subscriber Busy	GSM 02.04 3.1, GSM 02.07 B 2.1	M		Serv_SS_CFB
7	Call Forwarding on No Reply	GSM 02.04 3.1, GSM 02.07 B2.1	M		Serv_SS_CFNRY
8	Call Forwarding on Mobile Subscriber Not Reachable	GSM 02.04 3.1, GSM 02.07 B2.1	M		Serv_SS_CFNRC
9	Call Waiting	GSM 02.04 3.1	O		Serv_SS_CW
10	Call Hold	GSM 02.04 3.1	O		Serv_SS_HOLD
11	Multi Party Service	GSM 02.04 3.1	O		Serv_SS_MPTY
12	Closed User Group	GSM 02.04 3.1	O		Serv_SS_CUG
13	Advice of Charge (Information)	GSM 02.04 3.1	O		Serv_SS_AoCI
14	Advice of Charge (Charging)	GSM 02.04 3.1	O		Serv_SS_AoCC
15	Barring of All Outgoing Calls	GSM 02.04 3.1, GSM 02.07 B.2.1	M		Serv_SS_BAOC
16	Barring of Outgoing International Calls	GSM 02.04 3.1, GSM 02.07 B.2.1	M		Serv_SS_BOIC
17	Barring of Outgoing International Calls except those directed to the Home PLMN Country	GSM 02.04 3.1, GSM 02.07 B.2.1	M		Serv_SS_BOICexHC
18	Barring of All Incoming Calls	GSM 02.04 3.1, GSM 02.07 B.2.1	M		Serv_SS_BAIC
19	Barring of Incoming Calls when Roaming Outside the Home PLMN Country	GSM 02.04 3.1, GSM 02.07 B.2.1	M		Serv_SS_BICRoam
20	Unstructured SS Data	GSM 02.30, GSM 02.07 B.2.1	O		Serv_SS_unstruct

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 GSM 07.01 Annex B. 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 GSM 07.01 Table B.5. For detailed description of element values and coding please refer to GSM 04.08 10.5.4.5.

Table A.6: Groups for possible bearer capabilities

Item	Bearer Capability Group	Ref.	Status	Support	Mnemonic
1	Bearer Service 21 .. 26, unrestricted digital information transfer capability	GSM 07.01 B.1.2.1	O		BS2x_UDI
2	Bearer Service 21 .. 26, 3.1 kHz audio ex-PLMN information transfer capability	GSM 07.01 B.1.2.2	O		BS2x_3.1kHz
3	Bearer Service 31 .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34)	GSM 07.01 B.1.3.1.1	O		BS3x_UDI_nonX.32
4	Bearer Service 31 .. 34, unrestricted digital information transfer capability; X.32 Cases	GSM 07.01 B.1.3.1.2	O		BS3x_UDI_X.32
5	Bearer Service 31 .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases	GSM 07.01 B.1.3.2.1	O		BS3x_3.1kHz_nonX.32
6	Bearer Service 31 .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases	GSM 07.01 B.1.3.2.2	O		BS3x_3.1kHz_X.32
7	Bearer Service 41..46, PAD Access Asynchronous	GSM 07.01 B.1.4	O		BS4x_PAD
8	Bearer Service 51..53, Data Packet Duplex Synchronous	GSM 07.01 B.1.5	O		BS5x_Packet
9	Alternate Speech/Data, "Speech"	GSM 07.01 B.1.6.1	O		BS61_Speech
10	Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	GSM 07.01 B.1.6.2.1	O		BS61_3.1kHz_Async
11	Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous	GSM 07.01 B.1.6.2.2	O		BS61_3.1kHz_Sync
12	Speech followed by Data, "Speech"	GSM 07.01 B.1.7.1	O		BS81_Speech
13	Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	GSM 07.01 B.1.7.2.1	O		BS81_3.1kHz_Async
14	Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous	GSM 07.01 B.1.7.2.2	O		BS81_3.1kHz_Sync
15	Teleservice 11..12, Speech	GSM 07.01 B.1.8	O		TS1x_Speech
16	Alternate Speech and Facsimile group 3; "Speech"	GSM 07.01 1.10.1	O		TS61_Speech
17	Alternate Speech and Facsimile group 3; Facsimile group 3	GSM 07.01 1.10.2	O		TS61_G3FAX

Comments:

Table A.7: Bearer Service 21..26, UDI

Prerequisite: A.6/1 -- BS2x_UDI (diagram in GSM 07.01 B 1.2.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Signalling Access Protocol (SAP)	GSM 07.01 Annex A	M		I.440, X.28nond	
2	Connection Element (CE)	GSM 07.01 Annex A	M		NT, both NT, T, both T	
3	User Info Layer 2 Protocol (UIL2P)	GSM 07.01 Annex A	M		ISO6429, COPnoFICt, NAV	
4	Number of Data Bits(NDB)	GSM 07.01 Annex A	M		7 bits, 8 bits	
5	Parity Information (NPB)	GSM 07.01 Annex A	M		odd, even, 0, 1, none	
6	Number of Stop Bits (NSB)	GSM 07.01 Annex A	M		1 bit, 2 bits	
7	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
8	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
9	User Rate (UR)	GSM 07.01 Annex A	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
10	all allowed combinations according to GSM 07.01 B.1.2.1 implemented (if not, provide detailed description)	GSM 07.01 B.1.2.1	O			

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

Table A.8: Bearer Service 21..26, 3.1 kHz

Prerequisite: A.6/2 -- BS2x_3.1kHz (diagram in GSM 07.01 A2 1.2.2)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Signalling Access Protocol (SAP)	GSM 07.01 Annex A	M		I.440, X.28nond	
2	Connection Element (CE)	GSM 07.01 Annex A	M		NT, bothNT, T, bothT	
3	User Info Layer 2 Protocol (UIL2P)	GSM 07.01 Annex A	M		ISO6429, COPnoFICt, NAV	
4	Number of Data Bits(NDB)	GSM 07.01 Annex A	M		7 bits, 8 bits	
5	Parity Information (NPB)	GSM 07.01 Annex A	M		odd, even, 0, 1, none	
6	Number of Stop Bits (NSB)	GSM 07.01 Annex A	M		1 bit, 2 bits	
7	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
8	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
9	User Rate (UR)	GSM 07.01 Annex A	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
10	Modem Type (MT)	GSM 07.01 Annex A	M		V.21, V.22, V.22bis, V.26ter, V.32, V.23, auto	
11	all allowed combinations according to GSM 07.01 B.1.2.2 implemented (if not, provide detailed description)	GSM 07.01 B.1.2.2	O			

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

Table A.9: Bearer Service 31..34, UDI, Non-X.32

Prerequisite: A.6/3 -- BS3x_UDI_nonX.32 (diagram in GSM 07.01 A2 1.3.1.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Signalling Access Protocol (SAP)	GSM 07.01 Annex A	M		I.440, X.21	
2	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
3	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
4	User Rate (UR)	GSM 07.01 Annex A	M		1.2, 2.4, 4.8, 9.6	
5	all allowed combinations according to GSM 07.01 B.1.3.1.1 implemented (if not, provide detailed description)	GSM 07.01 B.1.3.1.1	O			

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

Table A.10: Bearer Service 31..34, UDI, X-32

Prerequisite: A.6/4 -- BS3x_UDI_X.32 (diagram in GSM 07.01 A2 1.3.1.2)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
2	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
3	User Rate (UR)	GSM 07.01 Annex A	M		2.4, 4.8, 9.6	
4	all allowed combinations according to GSM 07.01 B.1.3.1.2 implemented (if not, provide detailed description)	GSM 07.01 B.1.3.1.2	O			

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

Table A.11: Bearer Service 31..34, 3.1 kHz, Non-X-32

Prerequisite: A.6/5 -- BS3x_3.1kHz_nonX.32 (diagram in GSM 07.01 A2 1.3.2.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
2	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
3	User Rate (UR)	GSM 07.01 Annex A	M		1.2, 2.4, 4.8, 9.6	
4	Modem Type (MT)	GSM 07.01 Annex A	M		V.22, V.22bis, V.26ter, V.32	
5	all allowed combinations according to GSM 07.01 B.1.3.2.1 implemented (if not, provide detailed description)	GSM 07.01 B.1.3.2.1	O			

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

Table A.12: Bearer Service 31..34, 3.1kHz, X-32

Prerequisite: A.6/6 -- BS3x_3.1kHz_X.32 (diagram in GSM 07.01 A2 1.3.2.2)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Connection Element (CE)	GSM 07.01 Annex A	M		NT, bothNT, T, bothT	
2	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
3	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
4	User Rate (UR)	GSM 07.01 Annex A	M		2.4, 4.8, 9.6	
5	Modem Type (MT)	GSM 07.01 Annex A	M		V.22bis, V.26ter, V.32	
6	all allowed combinations according to GSM 07.01 B.1.3.2.2 implemented (if not, provide detailed description)	GSM 07.01 B.1.3.2.2	O			

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

Table A.13: Bearer Service 41..46, PAD Access

Prerequisite: A.6/7 -- BS4x_PAD (diagram in GSM 07.01 A2 1.4)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Connection Element (CE)	GSM 07.01 Annex A	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P)	GSM 07.01 Annex A	M		ISO6429, COPnoFICt, NAV	
3	Number of Data Bits(NDB)	GSM 07.01 Annex A	M		7 bits, 8 bits	
4	Parity Information (NPB)	GSM 07.01 Annex A	M		odd, even, 0, 1, none	
5	Number of Stop Bits (NSB)	GSM 07.01 Annex A	M		1 bit, 2 bits	
6	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
7	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
8	User Rate (UR)	GSM 07.01 Annex A	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
9	all allowed combinations according to GSM 07.01 B.1.4 implemented (if not, provide detailed description)	GSM 07.01 B.1.4	O			

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

Table A.14: Bearer Service 51..53, Data Packet Duplex Synchronous

Prerequisite: A.6/8 -- BS5x_Packet (diagram in GSM 07.01 A2 1.5)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
2	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
3	User Rate (UR)	GSM 07.01 Annex A	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
4	all allowed combinations according to GSM 07.01 B.1.5 implemented (if not, provide detailed description)	GSM 07.01 B.1.5	O			

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 GSM 07.01 A2 1.6.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, 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 GSM 07.01 A2 1.6.2.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Connection Element (CE)	GSM 07.01 Annex A	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P)	GSM 07.01 Annex A	M		ISO6429, COPnoFIct, NAV	
3	Number of Data Bits(NDB)	GSM 07.01 Annex A	M		7 bits, 8 bits	
4	Parity Information (NPB)	GSM 07.01 Annex A	M		odd, even, 0, 1, none	
5	Number of Stop Bits (NSB)	GSM 07.01 Annex A	M		1 bit, 2 bits	
6	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
7	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
8	User Rate (UR)	GSM 07.01 Annex A	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
9	Modem Type (MT)	GSM 07.01 Annex A	M		V.21, V.22, V.22bis, V.26ter V.32, V.23, auto1	
10	all allowed combinations according to GSM 07.01 B.1.6.2.1 implemented (if not, provide detailed description)	GSM 07.01 B.1.6.2.1	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 GSM 07.01 A2 1.6.2.2)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
2	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
3	User Rate (UR)	GSM 07.01 Annex A	M		1.2, 2.4, 4.8, 9.6	
4	Modem Type (MT)	GSM 07.01 Annex A	M		V.22, V.22bis, V.26ter, V.32	
5	all allowed combinations according to GSM 07.01 B.1.6.2.2 implemented (if not, provide detailed description)	GSM 07.01 B.1.6.2.2	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 GSM 07.01 A2 1.7.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, 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 GSM 07.01 A2 1.7.2.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Connection Element (CE)	GSM 07.01 Annex A	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P)	GSM 07.01 Annex A	M		ISO6429, COPnoFIct, NAV	
3	Number of Data Bits(NDB)	GSM 07.01 Annex A	M		7 bits, 8 bits	
4	Parity Information (NPB)	GSM 07.01 Annex A	M		odd, even, 0, 1, none	
5	Number of Stop Bits (NSB)	GSM 07.01 Annex A	M		1 bit, 2 bits	
6	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
7	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
8	User Rate (UR)	GSM 07.01 Annex A	M		0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	
9	Modem Type (MT)	GSM 07.01 Annex A	M		V.21, V.22, V.22bis, V.26ter V.32, V.23, auto1	
10	all allowed combinations according to GSM 07.01 B.1.7.2.1 implemented (if not, provide detailed description)	GSM 07.01 B.1.7.2.1	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 GSM 07.01 A2 1.7.2.2)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	
2	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
3	User Rate (UR)	GSM 07.01 Annex A	M		1.2, 2.4, 4.8, 9.6	
4	Modem Type (MT)	GSM 07.01 Annex A	M		V.22, V.22bis, V.26ter, V.32	
5	all allowed combinations according to GSM 07.01 B.1.7.2.2 implemented (if not, provide detailed description)	GSM 07.01 B.1.7.2.2	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 GSM 07.01 A2 1.8)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	

Comments:

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

Prerequisite: A.6/16 -- TS61_Speech (diagram in GSM 07.01 A2 1.10.1)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Radio Channel Requirement (RCR)	GSM 07.01 Annex A	M		HR, dualHR, FR, dualFR	

Comments:

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

Prerequisite: A.6/17 -- TS61_G3FAX (diagram in GSM 07.01 A2 1.10.2)

Item	Bearer Capability Elements	Reference	Status	Support	Values	
					Allowed	Supported
1	Connection Element (CE)	GSM 07.01 Annex A	M		NT, bothNT, T, bothT	
2	User Info Layer 2 Protocol (UIL2P)	GSM 07.01 Annex A	M		X.25 NAV	
3	Intermediate Rate (IR)	GSM 07.01 Annex A	M		8 kbps, 16 kbps	
4	User Rate (UR)	GSM 07.01 Annex A	M		2.4, 4.8, 9.6,	
5	all allowed combinations according to GSM 07.01 B.1.10.2 implemented (if not, provide detailed description)	GSM 07.01 B.1.10.2	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 GSM 07.01 A2 1.11)

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

Item	Additional Information	Ref.	Status	Support	Mnemonic
1	at least one half rate service	GSM 02.06 3.2.2	O		AddInfo_HalfRate
2	full rate speech mode	GSM 02.06 3.2.2, GSM 02.01 A.1.1	C2501		TSPC_FullRateSpeech
3	half rate speech mode	GSM 02.06 3.2.2, GSM 02.01 A.1.1	O		TSPC_HalfRateSpeech
4	at least one data service	GSM 07.01 A2	O		TSPC_DataSvc
5	at least one full rate data service	GSM 07.01 A2	C2502		AddInfo_FullRateData
6	at least one half rate data service	GSM 07.01 A2	O		TSPC_HalfRateData
7	at least one non transparent data service	GSM 02.02 3, GSM 02.03 6	O		AddInfo_NonTransData
8	at least one transparent data service	GSM 02.02 3, GSM 02.03 6	O		AddInfo_TransData
9	only transparent data service	GSM 02.02 3, GSM 02.03 6	O		TSPC_TranspDataOnly
10	at least one asynchronous data service	GSM 02.02 3, GSM 07.01 Annex B	O		AddInfo_AsyncData
11	at least one asynchronous non transparent data service	GSM 02.02 3, GSM 07.01 Annex B	O		AddInfo_AsyncNonTransData
12	2.4 k full rate data mode	GSM 02.02 3, GSM 07.01 Annex B,	C2503		TSPC_24DataF
13	2.4 k half rate data mode	GSM 02.02 3, GSM 07.01 Annex B,	O		TSPC_24DataH
14	4.8 k full rate data mode	GSM 02.02 3, GSM 07.01 Annex B,	C2504		TSPC_48DataF
15	4.8 k half rate data mode	GSM 02.02 3, GSM 07.01 Annex B,	O		TSPC_48DataH
16	9.6 k full rate data mode	GSM 02.02 3, GSM 07.01 Annex B,	O		TSPC_96Data
17	non transparent service with full rate channel at a user rate of 4.8 kbit/s	GSM 02.02 3, GSM 07.01 Annex B,	O		AddInfo_fullRate4.8
18	at least one bearer capability	GSM 07.01 Annex B	O		TSPC_BC
19	at least one MT circuit switched basic service	GSM 04.08, 5.3.4.2.2	O		TSPC_MTsvc
20	at least one MO circuit switched basic service	GSM 04.08 5.3.4.2.1	O		TSPC_MOsvc
21	only SDCCH	GSM 02.06 3.2.2	O		TSPC_SDCCHOnly
22	at least one service on traffic channel	GSM 02.03 Annex A	O		TSPC_SvcOnTCH

Table A.25: Additional Information (continued)

Item	Additional Information	Ref.	Status	Support	Mnemonic
23	dual rate channel types	GSM 02.06 3.2.2	O		TSPC_DualRate
24	only full rate channel type	GSM 02.06 3.2.2	O		TSPC_FullRateOnly
25	at least one teleservice	GSM 02.03 6	O		TSPC_TeleSvc
26	CC protocol for at least one BC	GSM 04.08 5	O		TSPC_CC
27	only circuit switched basic service supported by the mobile is emergency call	GSM 02.03 6, A.1.2	O		TSPC_EmgOnly
28	Fax Error Correction Mode	GSM 03.45, GSM 03.46	O		AddInfo_FaxErrCorr
29	at least one supplementary service	GSM 02.04 4, GSM 02.07 B.2.1	M		TSPC_SS
30	non call related supplementary service	GSM 02.04 4	O		TSPC_NonCallSS
31	at least one short message service	GSM 02.03 B.1.7, A.1.3	M		TSPC_SMS
32	(SMS) reply procedure	GSM 03.40 3	O		TSPC_ReplyProc
33	replace SMS	GSM 03.40 3	O		TSPC_ReplaceSMS
34	display of received SMS	GSM 3.40 7.1, GSM 3.41 8	O		TSPC_DispRcvSMS
35	SMS status report capabilities	GSM 03.40 3	O		TSPC_SMSStatusRepCap
36	Storing of short messages in the SIM	GSM 03.38 4	O		TSPC_StoreRcvSMSSIM
37	Storing of short messages in the ME	GSM 03.38 4	O		TSPC_StoreRcvSMSME
38	detach on power down	GSM 04.08 4.3.4	O		TSPC_DetachOnPwrDown
39	detach on SIM remove	GSM 04.08 4.3.4	O		TSPC_DetachOnSIMRmv
40	SIM removable without power down	GSM 02.17 5.7	O		TSPC_SIMRmv
41	ID-1 SIM	GSM 2.17 4.1.1	O.2502		AddInfo_ID1
42	Plug-In SIM	GSM 2.17 4.1.2	O.2502		AddInfo_Plugin
43	Disable PIN feature	GSM 2.17 5.6	O		AddInfo_DisablePin
44	PIN2 feature	GSM 2.17 5.6	O		AddInfo_Pin2
45	Feature requiring entry of PIN2	GSM 2.17 5.6	O		AddInfo_Pin2Feature
46	Chars 0-9, *, #	GSM 02.30 2.3, GSM 02.07 B.1.5	M		TSPC_BasCharSet
47	A, B, C, D chars	GSM 02.30 2.3	O		TSPC_AddCharSet
48	automatically enter automatic selection of PLMN mode	GSM 02.11 3.2	O		TSPC_AutoAutoMode
49	alerting indication to the user	GSM 04.08 5.2.1.5	O		TSPC_AlertInd
50	Appl. Layer is always running	GSM 11.10 18.1	O		AddInfo_ApplAlwaysRun
51	Immediate connect	GSM 04.08 5.2.1.6	O		TSPC_ImmConn
52	In-Call modification	GSM 04.08 5.3.4.3	O		TSPC_InCallMod
53	follow-on request procedure	GSM 04.08 4.4.4.6	O		TSPC_followOnReq

Table A.25: Additional Information (concluded)

Item	Additional Information	Ref.	Status	Support	Mnemonic
54	refusal of call	GSM 04.08 5.2.2.3.1	O		TSPC_RefusalCall
55	RF amplification	GSM 04.08 3.4.10	O		TSPC_RFAmp
56	Number of B-party number for autocalling is greater than the number of entries in the blacklist	GSM 02.07 Annex A	O		AddInfo_AutocallBnoGr eaterM
57	Handset MS supporting speech	GSM 03.50 3.1.1	O		AddInfo_SpeechHands et
58	MT2 Configuration	GSM 04.02 3	O		AddInfo_MT2
59	MT2 Configuration or any other possibility to send data over Um interface	GSM 04.02 3	O		AddInfo_MT2orOther
60	Permanent Antenna Connector		O		AddInfo_PermAntenna
C2501	IF A.25/3 THEN M ELSE O			-- TSPC_HalfRateSpeech	
C2502	IF A.25/6 THEN M ELSE O			-- TSPC_HalfRateData	
C2503	IF A.25/13 THEN M ELSE O			-- TSPC_24DataH	
C2504	IF A.25/15 THEN M ELSE O			-- TSPC_48DataH	
O.2502	At least one of the requirements shall be supported.				

Comments:

History

Document history			
December 1995	Public Enquiry	PE 97:	1995-12-04 to 1996-03-29
May 1996	Vote	V 103:	1996-05-20 to 1996-08-23