ETSI TS 151 010-4 V10.0.0 (2014-07)

TECHNICAL SPECIFICATION

Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 10.0.0 Release 10)

Reference
RTS/TSGC-0651010-4va00

Keywords
GSM

ETSI

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Sous-Préfecture de Grasse (06) N° 7803/88

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Contents

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.

1   Scope

The present document describes the technical characteristics and methods of test for testing the SIM Application Toolkit implemented in Mobile Stations (MS) for the Pan European digital cellular communications system and Personal Communication Systems (PCS) operating in the 450 MHz, 480 MHz, 700 MHz, 750 MHz, 850 MHz, 900 MHz, 1 800 MHz and 1 900 MHz frequency band (GSM 400, GSM 700, GSM 750, GSM 850, GSM 900, DCS 1 800 and PCS 1 900) 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 [19] and ETS 300 406 [20].

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

The present document covers the minimum characteristics considered necessary in order to provide sufficient performance for mobile equipment and to prevent interference to other services or to other users, and to the PLMNs.

It does not necessarily include all the characteristics which may be required by a user or subscriber, nor does it necessarily represent the optimum performance achievable.

The present document is part of the GSM-series of technical specifications. The present document neither replaces any of the other GSM technical specifications or GSM related ETSs or ENs, nor is it created to provide full understanding of (or parts of) the GSM 400, GSM 700, GSM 850, GSM 900, DCS1800 and PCS1900 systems . The present document lists the requirements, and provides the methods of test for testing the SIM Application Toolkit implemented in a MS for conformance to the GSM standard.

For a full description of the system, reference should be made to all the GSM technical specifications or GSM related ETSs or ENs. Clause 2 provides a complete list of the GSM technical specifications, GSM related ETSs, ENs, and ETRs, on which this conformance test specifications is based.

If there is a difference between this present conformance document, and any other GSM technical specification or GSM related ETS or EN, or 3GPP TS, then the other GSM technical specification or GSM related ETS or EN or 3GPP TS shall prevail.

Normative requirements for the SIM and SIM Application Toolkit are only specified up to Rel-4. The present document is only available in this release for allowing maintenance of test cases. The core features related to those test cases remain applicable only to the releases in which they have been specified.

The conformance test aspects for this Release are identical with those for the latest Release of TS 51.010-4 [23].

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. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the relevant Release*.

    - For a GSM Phase 2+ Release 1999 MS, references to GSM documents are to version 8.x.y (for 01.-series to 12.-series) or (3.x.y for 21.-series to 35.-series), when available.

    - For a GSM Phase 2+ Release 1998 MS, references to GSM documents are to version 7.x.y, when available.

    - For a GSM Phase 2+ Release 1997 MS, references to GSM documents are to version 6.x.y, when available.

    - For a GSM Phase 2+ Release 1996 MS, references to GSM documents are to version 5.x.y,. when available.

Note: References to 3GPP Technical Specifications and Technical Reports throughout the present 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: References for a R99 MS shall be interpreted as:

         [1]   3GPP TS 21.905 R99

         [2]   3GPP TS 22.001 R99

     etc.

[1]   Void.

[2]   Void.

[3]   Void.

[4]   Void.

[5]   Void.

[6]   Void.

[7]   Void.

[8]   Void.

[9]   Void.

[10]   Void.

[11]   Void.

[12]   Void.

[13]   Void.

[14]   Void.

[15]   Void.

[16]   Void.

[17a]   Void.

[17b]   Void.

[18]   Void.

[19]   ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[20]   ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

[21]   Void.

[22]   Void.

[23]   3GPP TS 51.010-4: "Mobile Station (MS) conformance specification ; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (Release 11)".

3   Void

4 Void

5 Void

6 Void

7 Void

8 Void

9 Void

10 Void

11 - 26 Not used

27 Void

Annex A:
Void

Annex B:
Void

Annex C:
Void

Annex D:
Void

Annex E:
Void

Annex F (informative): Change History

TSG#	WG TD#	CR	Rev	Subject	New Ver
SMG# 30	-	-	-	Approved as release 1996 at SMG#30	5.0.0
		A001	-	Corrections to SIM Application Toolkit Test Specification	5.1.0
			-	Version update to 5.1.1 for Publication	5.1.1
		A002	-	Editorial and coding corrections	5.2.0
		A003	-	Correction of wrong coding for SIM Application Toolkit test 27.22.4.2	5.3.0
		A004	-	Corrections for Test Case 27.22.5.1 (SMS-PP Data Download)	5.3.0
		A005	-	Correction of wrong coding for SIM Application Toolkit 27.22	5.4.0
		A006	-	Corrections for Test Case 27.22.4.7 (REFRESH)	5.5.0
		A007	-	Corrections for Test Case 27.22.5.2 (SMS-CB Data Download)	5.5.0
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		A010r1	-	Addition of Terminal Profile information, suppression of PLAY TONE Test sequence 1.2	8.2.0
		A011	-	References to 11.10-1 replaced. Reference to 11.10-2 removed.	8.3.0
		A012	-	Corrections to Send Short Message, Sequence 1.4	8.4.0
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CT-36	CP-070290	0037	-	Correction of reference to ISO/IEC 7816-3	4.5.0
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CT-36	CP-070290	0039	1	Essential correction on 27.22.8	4.5.0
-	-	-	-	MCC Table formatting throughout document (reduces page count)	4.5.0
CT-37	CP-070609	0040	-	Essential correction to 27.22.8	4.6.0
CT-37	CP-070610	0041	1	Essential correction of 27.22.6.2	4.6.0
CT-37	CP-070610	0042	-	Essential correction of 27.22.4.13.1, seq. 1.9	4.6.0
CT-37	CP-070609	0043	-	Essential Correction to insert a missing Carriage Return	4.6.0
CT-38	CP-070843	0044	1	Essential correction of 27.22.4.7.1, seq. 1.6	4.7.0
CT-38	CP-070843	0045	1	Essential correction of 27.22.8, seq. 1.3	4.7.0
CT-38	CP-070843	0046	1	Essential correction of 27.22.4.26.2.4.2, seq. 2.2	4.7.0
CT-38	CP-070843	0047	-	Correction to add optional support of Call Hold Supplementary Service	4.7.0
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CT-40	CP-080389	0052	3	Essential correction of test case applicability of 27.22.6.2 and 27.22.4.11	4.9.0
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CT-42	CP-080948	0056	-	Essential correction of GPRS QoS parameter in browser tests	4.11.0
CT-42	CP-080948	0056	-	Essential correction of 27.22.4.26.2 Seq. 2.2	4.11.0
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CT-43	CP-080189	0060		Essential correction to 27.22.4.11.2 and 27.22.4.11.3 (SEND SS)	4.12.0
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CT-62	CP-130793	0097		Essential correction for Applicability table related to Open Channel sequence 2.8	4.27.0
CT-64	CP-140419	0104	1	Creation of Rel-10	10.0.0

History

Document history		
V10.0.0	July 2014	Publication