

ETSI TS 131 124 V13.5.0 (2016-11)



**Universal Mobile Telecommunications System (UMTS);
LTE;
Mobile Equipment (ME) conformance test specification;
Universal Subscriber Identity Module
Application Toolkit (USAT) conformance test specification
(3GPP TS 31.124 version 13.5.0 Release 13)**



Reference

RTS/TSGC-0631124vd50

Keywords

LTE,UMTS

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

Important notice

The present document can be downloaded from:
<http://www.etsi.org/standards-search>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at
<https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>

If you find errors in the present document, please send your comment to one of the following services:
<https://portal.etsi.org/People/CommiteeSupportStaff.aspx>

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2016.
All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPP™ and **LTE™** are Trade Marks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.
GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

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 (<https://ipr.etsi.org>).

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 <http://webapp.etsi.org/key/queryform.asp>.

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	10
1 Scope	11
2 References	12
3 Definitions and abbreviations.....	14
3.1 Mobile station definition and configurations.....	14
3.2 Applicability.....	14
3.2.1 Applicability of the present document.....	14
3.2.2 Applicability of the individual tests.....	14
3.2.3 Applicability to terminal equipment	14
3.2.4 Definitions	14
3.2.4.1 Format of the table of optional features	14
3.2.4.2 Format of the applicability table	15
3.2.4.3 Status and notations.....	15
3.3 Table of optional features.....	16
3.4 Applicability table	24
3.5 Conventions for mathematical notations	89
3.5.1 Mathematical signs	89
4 Test equipment	89
5 Testing methodology in general	89
5.1 Testing of optional functions and procedures.....	89
5.2 Test interfaces and facilities	89
5.3 Information to be provided by the apparatus supplier	89
6 Implicit testing.....	90
7 Measurement uncertainty	90
8 Format of tests	90
9 Generic call set up procedures.....	93
10 - 26Not used.....	93
27 Testing of the UICC/ME interface	93
27.1 - 27.21Void.....	93
27.22 USIM Application Toolkit	93
27.22.1A General Test purpose	93
27.22.2A Definition of default values for USIM Application Toolkit testing	94
27.22.2B Definition of default values for LTE related USIM Application Toolkit testing.....	98
27.22.2B.1 Definition of E-UTRAN/EPC UICC.....	98
27.22.2B.2 Definition of E-UTRAN parameters	99
27.22.2C Definition of E-UTRAN/EPC ISIM-UICC.....	100
27.22.2C.1 Applications on the E-UTRAN/EPC ISIM-UICC	100
27.22.2C.2 Default USIM values of E-UTRAN/EPC ISIM-UICC	100
27.22.2C.3 Default ISIM values of E-UTRAN/EPC ISIM-UICC.....	100
27.22.2C.3.1 EF _{AD} (Administrative Data)	100
27.22.2C.3.2 EF _{IST} (ISIM Service Table).....	100
27.22.2C.3.3 EF _{IMPI} (IMS private user identity)	100
27.22.2C.3.4 EF _{DOMAIN} (Home Network Domain Name).....	101
27.22.2C.3.5 EF _{IMPU} (IMS public user identity)	101
27.22.2C.3.6 EF _{P-CSCF} (P-CSCF ADDRESS)	102

27.22.2C.3.7	EF _{SMS} (Short Message Service)	102
27.22.2C.3.8	EF _{SMSR} (Short message status reports)	102
27.22.2C.3.9	EF _{SMSF} (Short message service parameters)	102
27.22.2C.3.10	EF _{SMS} (SMS Status)	103
27.22.2C.4	Default values at DF_TELECOM	103
27.22.2C.4.1	EF _{PSISMSC} (Public Service Identity of the SM-SC)	103
27.22.1	Initialization of USIM Application Toolkit Enabled UICC by USIM Application Toolkit Enabled ME (Profile Download)	103
27.22.1.1	Definition and applicability	103
27.22.1.2	Conformance requirement	103
27.22.1.3	Test purpose	104
27.22.1.4	Method of test	104
27.22.1.4.1	Initial conditions	104
27.22.1.4.2	Procedure	104
27.22.1.5	Test requirement	104
27.22.2	Contents of the TERMINAL PROFILE command	104
27.22.2.1	Definition and applicability	104
27.22.2.2	Conformance requirement	105
27.22.2.3	Test purpose	105
27.22.2.4	Method of test	105
27.22.2.4.1	Initial conditions	105
27.22.2.4.2	Procedure	105
27.22.2.5	Test requirement	105
27.22.3	Servicing of proactive UICC commands	105
27.22.3.1	Definition and applicability	105
27.22.3.2	Conformance requirement	105
27.22.3.3	Test purpose	106
27.22.3.4	Method of test	106
27.22.3.4.1	Initial conditions	106
27.22.3.4.2	Procedure	106
27.22.3.5	Test requirement	106
27.22.4	Proactive UICC commands	106
27.22.4.1	DISPLAY TEXT	106
27.22.4.1.1	DISPLAY TEXT (Normal)	106
27.22.4.1.2	DISPLAY TEXT (Support of "No response from user")	107
27.22.4.1.3	DISPLAY TEXT (Display of extension text)	108
27.22.4.1.4	DISPLAY TEXT (Sustained text)	109
27.22.4.1.5	DISPLAY TEXT (Display of icons)	111
27.22.4.1.6	DISPLAY TEXT (UCS2 display in Cyrillic)	112
27.22.4.1.7	DISPLAY TEXT (Variable Time out)	112
27.22.4.1.8	DISPLAY TEXT (Support of Text Attribute)	113
27.22.4.1.9	DISPLAY TEXT (UCS2 display in Chinese)	120
27.22.4.1.10	DISPLAY TEXT (UCS2 display in Katakana)	121
27.22.4.2	GET INKEY	121
27.22.4.2.1	GET INKEY(normal)	121
27.22.4.2.2	GET INKEY (No response from User)	122
27.22.4.2.3	GET INKEY (UCS2 display in Cyrillic)	123
27.22.4.2.4	GET INKEY (UCS2 entry in Cyrillic)	124
27.22.4.2.5	GET INKEY ("Yes/No" Response)	125
27.22.4.2.6	GET INKEY (display of Icon)	125
27.22.4.2.7	GET INKEY (Help Information)	127
27.22.4.2.8	GET INKEY (Variable Time out)	127
27.22.4.2.9	GET INKEY (Support of Text Attribute)	128
27.22.4.2.10	GET INKEY (UCS2 display in Chinese)	135
27.22.4.2.11	GET INKEY (UCS2 entry in Chinese)	135
27.22.4.2.12	GET INKEY (UCS2 display in Katakana)	136
27.22.4.2.13	GET INKEY (UCS2 entry in Katakana)	137
27.22.4.3	GET INPUT	138
27.22.4.3.1	GET INPUT (normal)	138
27.22.4.3.2	GET INPUT (No response from User)	139
27.22.4.3.3	GET INPUT (UCS2 display in Cyrillic)	140
27.22.4.3.4	GET INPUT (UCS2 entry in Cyrillic)	140

27.22.4.3.5	GET INPUT (default text).....	141
27.22.4.3.6	GET INPUT (display of Icon).....	142
27.22.4.3.7	GET INPUT (Help Information).....	143
27.22.4.3.8	GET INPUT (Support of Text Attribute).....	144
27.22.4.3.9	GET INPUT (UCS2 display in Chinese).....	150
27.22.4.3.10	GET INPUT (UCS2 entry in Chinese).....	151
27.22.4.3.11	GET INPUT (UCS2 display in Katakana).....	152
27.22.4.3.12	GET INPUT (UCS2 entry in Katakana).....	153
27.22.4.4	MORE TIME.....	153
27.22.4.4.2	Conformance requirement.....	153
27.22.4.4.3	Test purpose.....	154
27.22.4.4.4	Method of test.....	154
27.22.4.4.5	Test requirement.....	154
27.22.4.5	PLAY TONE.....	154
27.22.4.5.1	PLAY TONE (Normal).....	154
27.22.4.5.2	PLAY TONE (UCS2 display in Cyrillic).....	159
27.22.4.5.3	PLAY TONE (display of Icon).....	160
27.22.4.5.4	PLAY TONE (Support of Text Attribute).....	161
27.22.4.5.5	PLAY TONE (UCS2 display in Chinese).....	168
27.22.4.5.6	PLAY TONE (UCS2 display in Katakana).....	169
27.22.4.6	POLL INTERVAL.....	169
27.22.4.6.1	Definition and applicability.....	169
27.22.4.6.2	Conformance requirement.....	169
27.22.4.6.3	Test purpose.....	170
27.22.4.6.4	Method of test.....	170
27.22.4.7	REFRESH.....	170
27.22.4.7.1	REFRESH (normal).....	170
27.22.4.7.2	REFRESH (IMSI changing procedure).....	180
27.22.4.7.3	REFRESH (Steering of roaming).....	192
27.22.4.7.4	REFRESH (AID).....	207
27.22.4.7.5	REFRESH (IMSI changing procedure, E-UTRAN).....	210
27.22.4.8	SET UP MENU and ENVELOPE MENU SELECTION.....	214
27.22.4.8.1	SET UP MENU (normal) and ENVELOPE MENU SELECTION.....	214
27.22.4.8.2	SET UP MENU (help request support) and ENVELOPE MENU SELECTION.....	215
27.22.4.8.3	SET UP MENU (next action support) and ENVELOPE MENU SELECTION.....	216
27.22.4.8.4	SET UP MENU (display of icons) and ENVELOPE MENU SELECTION.....	217
27.22.4.8.5	SET UP MENU (soft keys support) and ENVELOPE MENU SELECTION.....	218
27.22.4.8.6	SET UP MENU (support of Text Attribute) and ENVELOPE MENU SELECTION.....	219
27.22.4.8.7	SET UP MENU (UCS2 display in Cyrillic) and ENVELOPE MENU SELECTION.....	226
27.22.4.8.8	SET UP MENU (UCS2 display in Chinese) and ENVELOPE MENU SELECTION.....	227
27.22.4.8.9	SET UP MENU (UCS2 display in Katakana) and ENVELOPE MENU SELECTION.....	228
27.22.4.9	SELECT ITEM.....	229
27.22.4.9.1	SELECT ITEM (mandatory features for ME supporting SELECT ITEM).....	229
27.22.4.9.2	SELECT ITEM (next action support).....	230
27.22.4.9.3	SELECT ITEM (default item support).....	231
27.22.4.9.4	SELECT ITEM (help request support).....	232
27.22.4.9.5	SELECT ITEM (icons support).....	232
27.22.4.9.6	SELECT ITEM (presentation style).....	233
27.22.4.9.7	SELECT ITEM (soft keys support).....	234
27.22.4.9.8	SELECT ITEM (Support of "No response from user").....	234
27.22.4.9.9	SELECT ITEM (Support of Text Attribute).....	235
27.22.4.9.10	SELECT ITEM (UCS2 display in Cyrillic).....	241
27.22.4.9.11	SELECT ITEM (UCS2 display in Chinese).....	242
27.22.4.9.12	SELECT ITEM (UCS2 display in Katakana).....	243
27.22.4.10	SEND SHORT MESSAGE.....	244
27.22.4.10.1	SEND SHORT MESSAGE (normal).....	244
27.22.4.10.2	SEND SHORT MESSAGE (UCS2 display in Cyrillic).....	245
27.22.4.10.3	SEND SHORT MESSAGE (icon support).....	251
27.22.4.10.4	SEND SHORT MESSAGE (Support of Text Attribute).....	257
27.22.4.10.5	SEND SHORT MESSAGE (UCS2 display in Chinese).....	295
27.22.4.10.6	SEND SHORT MESSAGE (UCS2 display in Katakana).....	300
27.22.4.10.7	SEND SHORT MESSAGE (IMS).....	306

27.22.4.10.8	SEND SHORT MESSAGE (over SGs in E-UTRAN)	317
27.22.4.11	SEND SS	318
27.22.4.11.1	SEND SS (normal)	318
27.22.4.11.2	SEND SS (Icon support).....	330
27.22.4.11.3	SEND SS (UCS2 display in Cyrillic)	337
27.22.4.11.4	SEND SS (support of Text Attribute).....	339
27.22.4.11.5	SEND SS (UCS2 display in Chinese)	373
27.22.4.11.6	SEND SS (UCS2 display in Katakana)	375
27.22.4.12	SEND USSD	377
27.22.4.12.1	SEND USSD (normal)	377
27.22.4.12.2	SEND USSD (Icon support).....	387
27.22.4.12.3	SEND USSD (UCS2 display in Cyrillic)	393
27.22.4.12.4	SEND USSD (support of Text Attribute).....	395
27.22.4.12.5	SEND USSD (UCS2 display in Chinese).....	429
27.22.4.12.6	SEND USSD (UCS2 display in Katakana).....	431
27.22.4.13	SET UP CALL	434
27.22.4.13.1	SET UP CALL (normal).....	434
27.22.4.13.2	SET UP CALL (second alpha identifier).....	446
27.22.4.13.3	SET UP CALL (display of icons).....	448
27.22.4.13.4	SET UP CALL (support of Text Attribute)	457
27.22.4.13.5	SET UP CALL (UCS2 Display in <i>Cyrillic</i>)	493
27.22.4.13.6	SET UP CALL (UCS2 Display in Chinese).....	496
27.22.4.13.7	SET UP CALL (UCS2 Display in Katakana).....	499
27.22.4.14	POLLING OFF	502
27.22.4.14.1	Definition and applicability	502
27.22.4.14.2	Conformance requirement	502
27.22.4.14.3	Test purpose	502
27.22.4.14.4	Method of test.....	502
27.22.4.14.5	Test requirement	505
27.22.4.15	PROVIDE LOCAL INFORMATION	505
27.22.4.15.1	Definition and applicability	505
27.22.4.15.2	Conformance requirement	505
27.22.4.15.3	Test purpose	505
27.22.4.15.4	Method of tests	506
27.22.4.15.5	Test requirement	524
27.22.4.16	SET UP EVENT LIST	524
27.22.4.16.1	SET UP EVENT LIST (normal)	524
27.22.4.17	PERFORM CARD APDU	533
27.22.4.17.1	PERFORM CARD APDU (normal).....	533
27.22.4.17.2	PERFORM CARD APDU (detachable card reader)	534
27.22.4.18	POWER OFF CARD	535
27.22.4.18.1	POWER OFF CARD (normal).....	535
27.22.4.18.2	POWER OFF CARD (detachable card reader)	536
27.22.4.19	POWER ON CARD	537
27.22.4.19.1	POWER ON CARD (normal)	537
27.22.4.19.2	POWER ON CARD (detachable card reader).....	538
27.22.4.20	GET READER STATUS	538
27.22.4.20.1	GET READER STATUS (normal)	538
27.22.4.20.2	GET CARD READER STATUS (detachable card reader).....	539
27.22.4.21	TIMER MANAGEMENT and ENVELOPE TIMER EXPIRATION	540
27.22.4.21.1	TIMER MANAGEMENT (normal)	540
27.22.4.21.2	ENVELOPE TIMER EXPIRATION (normal)	541
27.22.4.22	SET UP IDLE MODE TEXT	542
27.22.4.22.1	SET UP IDLE MODE TEXT (normal)	542
27.22.4.22.2	SET UP IDLE MODE TEXT (Icon support)	547
27.22.4.22.3	SET UP IDLE MODE TEXT (UCS2 support).....	548
27.22.4.22.4	SET UP IDLE MODE TEXT (support of Text Attribute)	549
27.22.4.22.5	SET UP IDLE MODE TEXT (UCS2 display in Chinese)	555
27.22.4.22.6	SET UP IDLE MODE TEXT (UCS2 display in Katakana)	556
27.22.4.23	RUN AT COMMAND.....	557
27.22.4.23.1	RUN AT COMMAND (normal)	557
27.22.4.23.2	RUN AT COMMAND (Icon support)	559

27.22.4.23.3	RUN AT COMMAND (support of Text Attribute).....	566
27.22.4.23.4	RUN AT COMMAND (UCS2 display in Cyrillic)	600
27.22.4.23.5	RUN AT COMMAND (UCS2 display in Chinese)	600
27.22.4.23.6	RUN AT COMMAND (UCS2 display in Katakana)	601
27.22.4.24	SEND DTMF	602
27.22.4.24.1	SEND DTMF (Normal).....	602
27.22.4.24.2	SEND DTMF (Display of icons).....	607
27.22.4.24.3	SEND DTMF (UCS2 display in Cyrillic)	612
27.22.4.24.4	SEND DTMF (support of Text Attribute)	614
27.22.4.24.5	SEND DTMF (UCS2 Display in Chinese)	656
27.22.4.24.6	SEND DTMF (UCS2 Display in Katakana).....	658
27.22.4.25	LANGUAGE NOTIFICATION	659
27.22.4.25.1	Definition and applicability	659
27.22.4.25.2	Conformance Requirement	659
27.22.4.25.3	Test purpose	659
27.22.4.25.4	Method of Test	660
27.22.4.25.5	Test requirement	660
27.22.4.26	LAUNCH BROWSER.....	660
27.22.4.26.1	LAUNCH BROWSER (No session already launched)	660
27.22.4.26.2	LAUNCH BROWSER (Interaction with current session).....	667
27.22.4.26.3	LAUNCH BROWSER (UCS2 display in Cyrillic)	671
27.22.4.26.4	LAUNCH BROWSER (icons support)	674
27.22.4.26.5	LAUNCH BROWSER (support of Text Attribute).....	679
27.22.4.26.6	LAUNCH BROWSER (UCS2 Display in Chinese).....	715
27.22.4.26.7	LAUNCH BROWSER (UCS2 Display in Katakana)	717
27.22.4.27	OPEN CHANNEL	719
27.22.4.27.1	Void.....	719
27.22.4.27.2	Open Channel (related to GPRS).....	719
27.22.4.27.3	Open Channel (default bearer)	736
27.22.4.27.3.1	Open Channel (default bearer, E-UTRAN)	736
27.22.4.27.3.2	Open Channel (Default bearer, GERAN/UTRAN)	736
27.22.4.27.4	Open Channel (Local Bearer).....	739
27.22.4.27.5	Open Channel (GPRS, support of Text Attribute).....	739
27.22.4.27.6	Open Channel (related to E-UTRAN)	793
27.22.4.27.7	Open Channel (UICC Access to IMS).....	805
27.22.4.28	CLOSE CHANNEL	810
27.22.4.28.1	CLOSE CHANNEL(normal)	810
27.22.4.28.2	CLOSE CHANNEL (support of Text Attribute).....	816
27.22.4.28.3	CLOSE CHANNEL(E-UTRAN/EPC).....	853
27.22.4.29	RECEIVE DATA.....	857
27.22.4.29.1	RECEIVE DATA (NORMAL)	857
27.22.4.29.1.5	Test requirement	874
27.22.4.29.2	RECEIVE DATA (support of Text Attribute).....	874
27.22.4.30	SEND DATA	912
27.22.4.30.1	SEND DATA (normal).....	912
27.22.4.30.2	SEND DATA (support of Text Attribute)	926
27.22.4.30.3	SEND DATA (E-UTRAN)	957
27.22.4.31	GET CHANNEL STATUS	968
27.22.4.31.1	Definition and applicability	968
27.22.4.31.2	Conformance requirements.....	968
27.22.4.31.3	Test purpose	968
27.22.4.31.4	Method of test.....	968
27.22.4.31.5	Test requirement	983
27.22.5	Data Download to UICC.....	983
27.22.5.1	SMS-PP Data Download.....	983
27.22.5.1.1	Definition and applicability	983
27.22.5.1.2	Conformance requirement	983
27.22.5.1.3	Test purpose	983
27.22.5.1.4	Method of Test	984
27.22.5.1.5	Test requirement	985
27.22.5.2	Cell Broadcast Data Download.....	985
27.22.5.2.1	Definition and applicability	985

27.22.5.2.2	Conformance requirement	985
27.22.5.2.3	Test purpose	985
27.22.5.2.4	Method of Test	985
27.22.5.2.5	Test requirement	990
27.22.5.3	SMS-PP Data Download over IMS	990
27.22.5.3.1	Definition and applicability	990
27.22.5.3.2	Conformance requirement	990
27.22.5.3.3	Test purpose	991
27.22.5.3.4	Method of Test	991
27.22.5.3.5	Test requirement	999
27.22.5.4	SMS-PP Data Download over SGs in E-UTRAN	999
27.22.5.4.1	Definition and applicability	999
27.22.5.4.2	Conformance requirement	999
27.22.5.4.3	Test purpose	999
27.22.5.4.4	Method of Test	1000
27.22.5.x.5	Test requirement	1000
27.22.6	CALL CONTROL BY USIM	1000
27.22.6.1	Procedure for Mobile Originated calls	1000
27.22.6.1.1	Definition and applicability	1000
27.22.6.1.2	Conformance requirement	1000
27.22.6.1.3	Test purpose	1001
27.22.6.1.4	Method of tests	1001
27.22.6.1.5	Test requirement	1021
27.22.6.2	Procedure for Supplementary (SS) Services	1021
27.22.6.2.1	Definition and applicability	1021
27.22.6.2.2	Conformance requirement	1022
27.22.6.2.3	Test purpose	1022
27.22.6.2.4	Method of tests	1022
27.22.6.2.5	Test requirement	1029
27.22.6.3	Interaction with Fixed Dialling Number (FDN)	1029
27.22.6.3.1	Definition and applicability	1029
27.22.6.3.2	Conformance requirement	1029
27.22.6.3.3	Test purpose	1029
27.22.6.3.4	Method of tests	1030
27.22.6.3.5	Test requirement	1036
27.22.6.4	Support of Barred Dialling Number (BDN) service	1036
27.22.6.4.1	Definition and applicability	1036
27.22.6.4.2	Conformance requirement	1036
27.22.6.4.3	Test purpose	1037
27.22.6.4.4	Method of tests	1037
27.22.6.4.5	Test requirement	1046
27.22.6.5	Barred Dialling Number (BDN) service handling for terminals not supporting BDN	1047
27.22.6.5.1	Definition and applicability	1047
27.22.6.5.2	Conformance requirement	1047
27.22.6.5.3	Test purpose	1047
27.22.6.5.4	Method of tests	1047
27.22.7	EVENT DOWNLOAD	1048
27.22.7.1	MT Call Event	1048
27.22.7.1.1	MT Call Event (normal)	1048
27.22.7.2	Call Connected Event	1050
27.22.7.2.1	Call Connected Event (MT and MO call)	1050
27.22.7.2.2	Call Connected Event (ME supporting SET UP CALL)	1057
27.22.7.3	Call Disconnected Event	1060
27.22.7.3.1	Call Disconnected Event	1060
27.22.7.4	Location Status Event	1064
27.22.7.4.1	Location Status Event (normal)	1064
27.22.7.5	User Activity Event	1071
27.22.7.5.1	User Activity Event (normal)	1071
27.22.7.6	Idle screen available event	1071
27.22.7.6.1	Idle Screen Available (normal)	1071
27.22.7.7	Card reader status event	1072
27.22.7.7.1	Card Reader Status (normal)	1072

27.22.7.7.2	Card Reader Status(detachable card reader).....	1073
27.22.7.8	Language selection event	1073
27.22.7.8.1	Language selection event (normal).....	1073
27.22.7.9	Browser termination event	1074
27.22.7.9.1	Browser termination (normal)	1074
27.22.7.10	Data available event	1076
27.22.7.10.1	Definition and applicability	1076
27.22.7.10.2	Conformance requirements.....	1076
27.22.7.10.3	Test purpose	1076
27.22.7.10.4	Method of test.....	1076
27.22.7.11	Channel Status event	1080
27.22.7.11.1	Definition and applicability	1080
27.22.7.11.2	Conformance requirements.....	1080
27.22.7.11.3	Test purpose	1080
27.22.7.11.4	Method of test.....	1080
27.22.7.12	Access Technology Change event.....	1084
27.22.7.13	Display parameter changed event	1086
27.22.7.14	Local Connection event.....	1086
27.22.7.15	Network search mode change event.....	1086
27.22.7.15.1	Definition and applicability	1086
27.22.7.15.2	Conformance requirements.....	1086
27.22.7.15.3	Test purpose	1086
27.22.7.15.4	Method of test.....	1087
27.22.7.16	Browsing status event	1088
27.22.7.17	Network Rejection Event	1088
27.22.7.18	CSG Cell Selection event.....	1092
27.22.7.18.1	CSG Cell Selection (normal).....	1092
27.22.7.19	IMS registration event.....	1098
27.22.7.20	Incoming IMS data event	1098
27.22.7.20.1	Incoming IMS data (normal)	1098
27.22.8	MO SHORT MESSAGE CONTROL BY USIM	1103
27.22.8.1	Definition and applicability.....	1103
27.22.8.2	Conformance requirement.....	1103
27.22.8.3	Test purpose	1103
27.22.8.4	Method of tests.....	1104
27.22.8.4.1	Initial conditions	1104
27.22.8.4.2	Procedure.....	1105
27.22.8.5	Test requirement	1113
27.22.9	Handling of command number	1113
27.22.9.1	Definition and applicability.....	1113
27.22.9.2	Conformance requirement.....	1113
27.22.9.3	Test purpose	1113
27.22.9.4	Method of tests.....	1114
27.22.9.4.1	Initial conditions	1114
27.22.9.4.2	Procedure.....	1114
27.22.9.5	Test requirement	1114
Annex A (normative):	Details of Test-SIM (TestSIM).....	1115
Annex B (normative):	Details of terminal profile support	1117
Annex C (informative):	Change history	1129
History		1135

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 USIM Application Toolkit implemented in 3rd Generation Mobile Equipments (ME) or Mobile Station (MS) for the LTE-Advanced, LTE, 3G and 2G digital cellular communications systems within the 3GPP 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 ETSI ETS 300 406 [20].

The present document is valid for ME implemented according to 3GPP Release 99, or Release 4, or any later Release.

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 3GPP-series of technical specifications. The present document neither replaces any of the other 3GPP technical specifications or 3GPP related ETSs or ENs, nor is it created to provide full understanding of (or parts of) the UMTS. The present document lists the requirements, and provides the methods of test for testing the USIM Application Toolkit implemented in a ME for conformance to the 3GPP standard.

For a full description of the system, reference should be made to all the 3GPP technical specifications or 3GPP related ETSIs, ETSs or ENs. Clause 2 provides a complete list of the 3GPP technical specifications, 3GPP related ETSI's 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 3GPP technical specification or 3GPP related ETSI, ETS, EN, or 3GPP TS, then the other 3GPP technical specification or 3GPP related ETSI ETS, EN or 3GPP TS shall prevail.

Within the context of this document, the term "terminal" used in ETSI TS 102 384 [26] refers to the Mobile Equipment (ME).

Within the context of this document, the term "UICC" used in ETSI TS 102 384 [26] refers to the USIM card.

Within the context of this document, the term "NAA" used in ETSI TS 102 384 [26] refers to the USIM application.

For the avoidance of doubt, references to clauses of ETSI TS 102 384 [26] or ETSI TS 102 221 [13] include all the subclauses of that clause, unless specifically mentioned.

The target test specification ETSI TS 102 384 [26] contains material that is outside of the scope of 3GPP requirements and the present document indicates which parts are in the scope and which are not.

A 3GPP ME may support functionality that is not required by 3GPP, but the requirements to do so are outside of the scope of 3GPP. Thus the present document does not contain tests or references to ETSI TS 102 384 [26] tests for features which are out of scope of 3GPP.