

ETSI TS 131 124 V13.3.0 (2016-04)



**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 13.3.0 Release 13)**



---

**Reference**RTS/TSGC-0631124vd30

---

**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

<http://portal.etsi.org/tb/status/status.asp>

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 .....	102
3.5.1 Mathematical signs .....	102
4 Test equipment .....	102
5 Testing methodology in general .....	102
5.1 Testing of optional functions and procedures.....	102
5.2 Test interfaces and facilities .....	102
5.3 Information to be provided by the apparatus supplier .....	102
6 Implicit testing.....	103
7 Measurement uncertainty .....	103
8 Format of tests .....	103
9 Generic call set up procedures.....	106
10 - 26Not used.....	106
27 Testing of the UICC/ME interface .....	106
27.1 - 27.21Void.....	106
27.22 USIM Application Toolkit .....	106
27.22.1A General Test purpose .....	106
27.22.2A Definition of default values for USIM Application Toolkit testing .....	107
27.22.2B Definition of default values for LTE related USIM Application Toolkit testing.....	111
27.22.2B.1 Definition of E-UTRAN/EPC UICC.....	111
27.22.2B.2 Definition of E-UTRAN parameters .....	112
27.22.2C Definition of E-UTRAN/EPC ISIM-UICC .....	113
27.22.2C.1 Applications on the E-UTRAN/EPC ISIM-UICC .....	113
27.22.2C.2 Default USIM values of E-UTRAN/EPC ISIM-UICC .....	113
27.22.2C.3 Default ISIM values of E-UTRAN/EPC ISIM-UICC.....	113
27.22.2C.3.1 EF <sub>AD</sub> (Administrative Data) .....	113
27.22.2C.3.2 EF <sub>IST</sub> (ISIM Service Table).....	113
27.22.2C.3.3 EF <sub>IMPI</sub> (IMS private user identity).....	113
27.22.2C.3.4 EF <sub>DOMAIN</sub> (Home Network Domain Name).....	114
27.22.2C.3.5 EF <sub>IMPU</sub> (IMS public user identity) .....	114
27.22.2C.3.6 EF <sub>P-CSCF</sub> (P-CSCF ADDRESS) .....	115

27.22.2C.3.7	EF <sub>SMS</sub> (Short Message Service) .....	115
27.22.2C.3.8	EF <sub>SMSR</sub> (Short message status reports) .....	115
27.22.2C.3.9	EF <sub>SMSF</sub> (Short message service parameters) .....	115
27.22.2C.3.10	EF <sub>SMS</sub> (SMS Status) .....	116
27.22.2C.4	Default values at DF_TELECOM .....	116
27.22.2C.4.1	EF <sub>PSISMSC</sub> (Public Service Identity of the SM-SC) .....	116
27.22.1	Initialization of USIM Application Toolkit Enabled UICC by USIM Application Toolkit Enabled ME (Profile Download) .....	116
27.22.1.1	Definition and applicability .....	116
27.22.1.2	Conformance requirement .....	116
27.22.1.3	Test purpose .....	117
27.22.1.4	Method of test .....	117
27.22.1.4.1	Initial conditions .....	117
27.22.1.4.2	Procedure .....	117
27.22.1.5	Test requirement .....	117
27.22.2	Contents of the TERMINAL PROFILE command .....	117
27.22.2.1	Definition and applicability .....	117
27.22.2.2	Conformance requirement .....	118
27.22.2.3	Test purpose .....	118
27.22.2.4	Method of test .....	118
27.22.2.4.1	Initial conditions .....	118
27.22.2.4.2	Procedure .....	118
27.22.2.5	Test requirement .....	118
27.22.3	Servicing of proactive UICC commands .....	118
27.22.3.1	Definition and applicability .....	118
27.22.3.2	Conformance requirement .....	118
27.22.3.3	Test purpose .....	119
27.22.3.4	Method of test .....	119
27.22.3.4.1	Initial conditions .....	119
27.22.3.4.2	Procedure .....	119
27.22.3.5	Test requirement .....	119
27.22.4	Proactive UICC commands .....	119
27.22.4.1	DISPLAY TEXT .....	119
27.22.4.1.1	DISPLAY TEXT (Normal) .....	119
27.22.4.1.2	DISPLAY TEXT (Support of "No response from user") .....	120
27.22.4.1.3	DISPLAY TEXT (Display of extension text) .....	121
27.22.4.1.4	DISPLAY TEXT (Sustained text) .....	122
27.22.4.1.5	DISPLAY TEXT (Display of icons) .....	124
27.22.4.1.6	DISPLAY TEXT (UCS2 display in Cyrillic) .....	125
27.22.4.1.7	DISPLAY TEXT (Variable Time out) .....	125
27.22.4.1.8	DISPLAY TEXT (Support of Text Attribute) .....	126
27.22.4.1.9	DISPLAY TEXT (UCS2 display in Chinese) .....	133
27.22.4.1.10	DISPLAY TEXT (UCS2 display in Katakana) .....	134
27.22.4.2	GET INKEY .....	134
27.22.4.2.1	GET INKEY(normal) .....	134
27.22.4.2.2	GET INKEY (No response from User) .....	135
27.22.4.2.3	GET INKEY (UCS2 display in Cyrillic) .....	136
27.22.4.2.4	GET INKEY (UCS2 entry in Cyrillic) .....	137
27.22.4.2.5	GET INKEY ("Yes/No" Response) .....	138
27.22.4.2.6	GET INKEY (display of Icon) .....	138
27.22.4.2.7	GET INKEY (Help Information) .....	140
27.22.4.2.8	GET INKEY (Variable Time out) .....	140
27.22.4.2.9	GET INKEY (Support of Text Attribute) .....	141
27.22.4.2.10	GET INKEY (UCS2 display in Chinese) .....	148
27.22.4.2.11	GET INKEY (UCS2 entry in Chinese) .....	148
27.22.4.2.12	GET INKEY (UCS2 display in Katakana) .....	149
27.22.4.2.13	GET INKEY (UCS2 entry in Katakana) .....	150
27.22.4.3	GET INPUT .....	151
27.22.4.3.1	GET INPUT (normal) .....	151
27.22.4.3.2	GET INPUT (No response from User) .....	152
27.22.4.3.3	GET INPUT (UCS2 display in Cyrillic) .....	153
27.22.4.3.4	GET INPUT (UCS2 entry in Cyrillic) .....	153

27.22.4.3.5	GET INPUT (default text) .....	154
27.22.4.3.6	GET INPUT (display of Icon) .....	155
27.22.4.3.7	GET INPUT (Help Information) .....	156
27.22.4.3.8	GET INPUT (Support of Text Attribute) .....	157
27.22.4.3.9	GET INPUT (UCS2 display in Chinese) .....	163
27.22.4.3.10	GET INPUT (UCS2 entry in Chinese) .....	164
27.22.4.3.11	GET INPUT (UCS2 display in Katakana) .....	165
27.22.4.3.12	GET INPUT (UCS2 entry in Katakana) .....	166
27.22.4.4	MORE TIME .....	166
27.22.4.4.2	Conformance requirement .....	166
27.22.4.4.3	Test purpose .....	167
27.22.4.4.4	Method of test .....	167
27.22.4.4.5	Test requirement .....	167
27.22.4.5	PLAY TONE .....	167
27.22.4.5.1	PLAY TONE (Normal) .....	167
27.22.4.5.2	PLAY TONE (UCS2 display in Cyrillic) .....	172
27.22.4.5.3	PLAY TONE (display of Icon) .....	173
27.22.4.5.4	PLAY TONE (Support of Text Attribute) .....	174
27.22.4.5.5	PLAY TONE (UCS2 display in Chinese) .....	181
27.22.4.5.6	PLAY TONE (UCS2 display in Katakana) .....	182
27.22.4.6	POLL INTERVAL .....	182
27.22.4.6.1	Definition and applicability .....	182
27.22.4.6.2	Conformance requirement .....	182
27.22.4.6.3	Test purpose .....	183
27.22.4.6.4	Method of test .....	183
27.22.4.7	REFRESH .....	183
27.22.4.7.1	REFRESH (normal) .....	183
27.22.4.7.2	REFRESH (IMSI changing procedure) .....	193
27.22.4.7.3	REFRESH (Steering of roaming) .....	204
27.22.4.7.4	REFRESH (AID) .....	219
27.22.4.7.5	REFRESH (IMSI changing procedure, E-UTRAN) .....	222
27.22.4.8	SET UP MENU and ENVELOPE MENU SELECTION .....	226
27.22.4.8.1	SET UP MENU (normal) and ENVELOPE MENU SELECTION .....	226
27.22.4.8.2	SET UP MENU (help request support) and ENVELOPE MENU SELECTION .....	227
27.22.4.8.3	SET UP MENU (next action support) and ENVELOPE MENU SELECTION .....	228
27.22.4.8.4	SET UP MENU (display of icons) and ENVELOPE MENU SELECTION .....	229
27.22.4.8.5	SET UP MENU (soft keys support) and ENVELOPE MENU SELECTION .....	230
27.22.4.8.6	SET UP MENU (support of Text Attribute) and ENVELOPE MENU SELECTION .....	231
27.22.4.8.7	SET UP MENU (UCS2 display in Cyrillic) and ENVELOPE MENU SELECTION .....	238
27.22.4.8.8	SET UP MENU (UCS2 display in Chinese) and ENVELOPE MENU SELECTION .....	239
27.22.4.8.9	SET UP MENU (UCS2 display in Katakana) and ENVELOPE MENU SELECTION .....	240
27.22.4.9	SELECT ITEM .....	241
27.22.4.9.1	SELECT ITEM (mandatory features for ME supporting SELECT ITEM) .....	241
27.22.4.9.2	SELECT ITEM (next action support) .....	242
27.22.4.9.3	SELECT ITEM (default item support) .....	243
27.22.4.9.4	SELECT ITEM (help request support) .....	243
27.22.4.9.5	SELECT ITEM (icons support) .....	244
27.22.4.9.6	SELECT ITEM (presentation style) .....	245
27.22.4.9.7	SELECT ITEM (soft keys support) .....	246
27.22.4.9.8	SELECT ITEM (Support of "No response from user") .....	246
27.22.4.9.9	SELECT ITEM (Support of Text Attribute) .....	247
27.22.4.9.10	SELECT ITEM (UCS2 display in Cyrillic) .....	253
27.22.4.9.11	SELECT ITEM (UCS2 display in Chinese) .....	254
27.22.4.9.12	SELECT ITEM (UCS2 display in Katakana) .....	255
27.22.4.10	SEND SHORT MESSAGE .....	256
27.22.4.10.1	SEND SHORT MESSAGE (normal) .....	256
27.22.4.10.2	SEND SHORT MESSAGE (UCS2 display in Cyrillic) .....	257
27.22.4.10.3	SEND SHORT MESSAGE (icon support) .....	263
27.22.4.10.4	SEND SHORT MESSAGE (Support of Text Attribute) .....	269
27.22.4.10.5	SEND SHORT MESSAGE (UCS2 display in Chinese) .....	307
27.22.4.10.6	SEND SHORT MESSAGE (UCS2 display in Katakana) .....	312
27.22.4.10.7	SEND SHORT MESSAGE (IMS) .....	318

27.22.4.10.8	SEND SHORT MESSAGE (over SGs in E-UTRAN) .....	329
27.22.4.11	SEND SS .....	330
27.22.4.11.1	SEND SS (normal) .....	330
27.22.4.11.2	SEND SS (Icon support).....	342
27.22.4.11.3	SEND SS (UCS2 display in Cyrillic) .....	349
27.22.4.11.4	SEND SS (support of Text Attribute).....	351
27.22.4.11.5	SEND SS (UCS2 display in Chinese) .....	385
27.22.4.11.6	SEND SS (UCS2 display in Katakana) .....	387
27.22.4.12	SEND USSD .....	389
27.22.4.12.1	SEND USSD (normal) .....	389
27.22.4.12.2	SEND USSD (Icon support).....	399
27.22.4.12.3	SEND USSD (UCS2 display in Cyrillic) .....	405
27.22.4.12.4	SEND USSD (support of Text Attribute).....	407
27.22.4.12.5	SEND USSD (UCS2 display in Chinese).....	441
27.22.4.12.6	SEND USSD (UCS2 display in Katakana).....	443
27.22.4.13	SET UP CALL .....	446
27.22.4.13.1	SET UP CALL (normal).....	446
27.22.4.13.2	SET UP CALL (second alpha identifier).....	458
27.22.4.13.3	SET UP CALL (display of icons).....	460
27.22.4.13.4	SET UP CALL (support of Text Attribute) .....	469
27.22.4.13.5	SET UP CALL (UCS2 Display in <i>Cyrillic</i> ) .....	505
27.22.4.13.6	SET UP CALL (UCS2 Display in Chinese).....	508
27.22.4.13.7	SET UP CALL (UCS2 Display in Katakana).....	511
27.22.4.14	POLLING OFF .....	514
27.22.4.14.1	Definition and applicability .....	514
27.22.4.14.2	Conformance requirement .....	514
27.22.4.14.3	Test purpose .....	514
27.22.4.14.4	Method of test.....	514
27.22.4.14.5	Test requirement .....	517
27.22.4.15	PROVIDE LOCAL INFORMATION .....	517
27.22.4.15.1	Definition and applicability .....	517
27.22.4.15.2	Conformance requirement .....	517
27.22.4.15.3	Test purpose .....	517
27.22.4.15.4	Method of tests .....	518
27.22.4.15.5	Test requirement .....	536
27.22.4.16	SET UP EVENT LIST .....	536
27.22.4.16.1	SET UP EVENT LIST (normal) .....	536
27.22.4.17	PERFORM CARD APDU .....	545
27.22.4.17.1	PERFORM CARD APDU (normal).....	545
27.22.4.17.2	PERFORM CARD APDU (detachable card reader) .....	546
27.22.4.18	POWER OFF CARD .....	547
27.22.4.18.1	POWER OFF CARD (normal).....	547
27.22.4.18.2	POWER OFF CARD (detachable card reader) .....	548
27.22.4.19	POWER ON CARD .....	549
27.22.4.19.1	POWER ON CARD (normal) .....	549
27.22.4.19.2	POWER ON CARD (detachable card reader).....	550
27.22.4.20	GET READER STATUS .....	550
27.22.4.20.1	GET READER STATUS (normal) .....	550
27.22.4.20.2	GET CARD READER STATUS (detachable card reader).....	551
27.22.4.21	TIMER MANAGEMENT and ENVELOPE TIMER EXPIRATION .....	552
27.22.4.21.1	TIMER MANAGEMENT (normal) .....	552
27.22.4.21.2	ENVELOPE TIMER EXPIRATION (normal) .....	553
27.22.4.22	SET UP IDLE MODE TEXT .....	554
27.22.4.22.1	SET UP IDLE MODE TEXT (normal) .....	554
27.22.4.22.2	SET UP IDLE MODE TEXT (Icon support) .....	559
27.22.4.22.3	SET UP IDLE MODE TEXT (UCS2 support).....	560
27.22.4.22.4	SET UP IDLE MODE TEXT (support of Text Attribute) .....	561
27.22.4.22.5	SET UP IDLE MODE TEXT (UCS2 display in Chinese) .....	567
27.22.4.22.6	SET UP IDLE MODE TEXT (UCS2 display in Katakana) .....	568
27.22.4.23	RUN AT COMMAND.....	569
27.22.4.23.1	RUN AT COMMAND (normal) .....	569
27.22.4.23.2	RUN AT COMMAND (Icon support) .....	571

27.22.4.23.3	RUN AT COMMAND (support of Text Attribute).....	578
27.22.4.23.4	RUN AT COMMAND (UCS2 display in Cyrillic) .....	612
27.22.4.23.5	RUN AT COMMAND (UCS2 display in Chinese) .....	612
27.22.4.23.6	RUN AT COMMAND (UCS2 display in Katakana) .....	613
27.22.4.24	SEND DTMF .....	614
27.22.4.24.1	SEND DTMF (Normal).....	614
27.22.4.24.2	SEND DTMF (Display of icons).....	619
27.22.4.24.3	SEND DTMF (UCS2 display in Cyrillic) .....	624
27.22.4.24.4	SEND DTMF (support of Text Attribute) .....	626
27.22.4.24.5	SEND DTMF (UCS2 Display in Chinese) .....	668
27.22.4.24.6	SEND DTMF (UCS2 Display in Katakana).....	670
27.22.4.25	LANGUAGE NOTIFICATION .....	671
27.22.4.25.1	Definition and applicability .....	671
27.22.4.25.2	Conformance Requirement .....	671
27.22.4.25.3	Test purpose .....	671
27.22.4.25.4	Method of Test .....	672
27.22.4.25.5	Test requirement .....	672
27.22.4.26	LAUNCH BROWSER.....	672
27.22.4.26.1	LAUNCH BROWSER (No session already launched) .....	672
27.22.4.26.2	LAUNCH BROWSER (Interaction with current session).....	679
27.22.4.26.3	LAUNCH BROWSER (UCS2 display in Cyrillic) .....	683
27.22.4.26.4	LAUNCH BROWSER (icons support) .....	686
27.22.4.26.5	LAUNCH BROWSER (support of Text Attribute).....	691
27.22.4.26.6	LAUNCH BROWSER (UCS2 Display in Chinese).....	727
27.22.4.26.7	LAUNCH BROWSER (UCS2 Display in Katakana) .....	729
27.22.4.27	OPEN CHANNEL .....	731
27.22.4.27.1	Void.....	731
27.22.4.27.2	Open Channel (related to GPRS).....	731
27.22.4.27.3	Open Channel (default bearer) .....	748
27.22.4.27.3.1	Open Channel (default bearer, E-UTRAN) .....	748
27.22.4.27.3.2	Open Channel (Default bearer, GERAN/UTRAN) .....	748
27.22.4.27.4	Open Channel (Local Bearer).....	751
27.22.4.27.5	Open Channel (GPRS, support of Text Attribute).....	751
27.22.4.27.6	Open Channel (related to E-UTRAN) .....	805
27.22.4.27.7	Open Channel (UICC Access to IMS).....	817
27.22.4.28	CLOSE CHANNEL .....	822
27.22.4.28.1	CLOSE CHANNEL(normal) .....	822
27.22.4.28.2	CLOSE CHANNEL (support of Text Attribute).....	828
27.22.4.28.3	CLOSE CHANNEL(E-UTRAN/EPC).....	865
27.22.4.29	RECEIVE DATA.....	869
27.22.4.29.1	RECEIVE DATA (NORMAL) .....	869
27.22.4.29.1.5	Test requirement .....	886
27.22.4.29.2	RECEIVE DATA (support of Text Attribute).....	886
27.22.4.30	SEND DATA .....	924
27.22.4.30.1	SEND DATA (normal).....	924
27.22.4.30.2	SEND DATA (support of Text Attribute) .....	938
27.22.4.30.3	SEND DATA (E-UTRAN) .....	969
27.22.4.31	GET CHANNEL STATUS .....	980
27.22.4.31.1	Definition and applicability .....	980
27.22.4.31.2	Conformance requirements.....	980
27.22.4.31.3	Test purpose .....	980
27.22.4.31.4	Method of test.....	980
27.22.4.31.5	Test requirement .....	995
27.22.5	Data Download to UICC.....	995
27.22.5.1	SMS-PP Data Download.....	995
27.22.5.1.1	Definition and applicability .....	995
27.22.5.1.2	Conformance requirement .....	995
27.22.5.1.3	Test purpose .....	995
27.22.5.1.4	Method of Test .....	996
27.22.5.1.5	Test requirement .....	997
27.22.5.2	Cell Broadcast Data Download.....	997
27.22.5.2.1	Definition and applicability .....	997



27.22.5.2.2	Conformance requirement .....	997
27.22.5.2.3	Test purpose .....	997
27.22.5.2.4	Method of Test .....	997
27.22.5.2.5	Test requirement .....	1002
27.22.5.3	SMS-PP Data Download over IMS .....	1002
27.22.5.3.1	Definition and applicability .....	1002
27.22.5.3.2	Conformance requirement .....	1002
27.22.5.3.3	Test purpose .....	1003
27.22.5.3.4	Method of Test .....	1003
27.22.5.3.5	Test requirement .....	1011
27.22.5.4	SMS-PP Data Download over SGs in E-UTRAN .....	1011
27.22.5.4.1	Definition and applicability .....	1011
27.22.5.4.2	Conformance requirement .....	1011
27.22.5.4.3	Test purpose .....	1011
27.22.5.4.4	Method of Test .....	1012
27.22.5.x.5	Test requirement .....	1012
27.22.6	CALL CONTROL BY USIM .....	1012
27.22.6.1	Procedure for Mobile Originated calls .....	1012
27.22.6.1.1	Definition and applicability .....	1012
27.22.6.1.2	Conformance requirement .....	1012
27.22.6.1.3	Test purpose .....	1013
27.22.6.1.4	Method of tests .....	1013
27.22.6.1.5	Test requirement .....	1033
27.22.6.2	Procedure for Supplementary (SS) Services .....	1033
27.22.6.2.1	Definition and applicability .....	1033
27.22.6.2.2	Conformance requirement .....	1034
27.22.6.2.3	Test purpose .....	1034
27.22.6.2.4	Method of tests .....	1034
27.22.6.2.5	Test requirement .....	1041
27.22.6.3	Interaction with Fixed Dialling Number (FDN) .....	1041
27.22.6.3.1	Definition and applicability .....	1041
27.22.6.3.2	Conformance requirement .....	1041
27.22.6.3.3	Test purpose .....	1041
27.22.6.3.4	Method of tests .....	1042
27.22.6.3.5	Test requirement .....	1048
27.22.6.4	Support of Barred Dialling Number (BDN) service .....	1048
27.22.6.4.1	Definition and applicability .....	1048
27.22.6.4.2	Conformance requirement .....	1048
27.22.6.4.3	Test purpose .....	1049
27.22.6.4.4	Method of tests .....	1049
27.22.6.4.5	Test requirement .....	1058
27.22.6.5	Barred Dialling Number (BDN) service handling for terminals not supporting BDN .....	1059
27.22.6.5.1	Definition and applicability .....	1059
27.22.6.5.2	Conformance requirement .....	1059
27.22.6.5.3	Test purpose .....	1059
27.22.6.5.4	Method of tests .....	1059
27.22.7	EVENT DOWNLOAD .....	1060
27.22.7.1	MT Call Event .....	1060
27.22.7.1.1	MT Call Event (normal) .....	1060
27.22.7.2	Call Connected Event .....	1062
27.22.7.2.1	Call Connected Event (MT and MO call) .....	1062
27.22.7.2.2	Call Connected Event (ME supporting SET UP CALL) .....	1069
27.22.7.3	Call Disconnected Event .....	1072
27.22.7.3.1	Call Disconnected Event .....	1072
27.22.7.4	Location Status Event .....	1076
27.22.7.4.1	Location Status Event (normal) .....	1076
27.22.7.5	User Activity Event .....	1081
27.22.7.5.1	User Activity Event (normal) .....	1081
27.22.7.6	Idle screen available event .....	1082
27.22.7.6.1	Idle Screen Available (normal) .....	1082
27.22.7.7	Card reader status event .....	1082
27.22.7.7.1	Card Reader Status (normal) .....	1082

27.22.7.7.2	Card Reader Status(detachable card reader).....	1083
27.22.7.8	Language selection event .....	1084
27.22.7.8.1	Language selection event (normal).....	1084
27.22.7.9	Browser termination event .....	1084
27.22.7.9.1	Browser termination (normal) .....	1084
27.22.7.10	Data available event .....	1086
27.22.7.10.1	Definition and applicability .....	1086
27.22.7.10.2	Conformance requirements.....	1086
27.22.7.10.3	Test purpose .....	1086
27.22.7.10.4	Method of test.....	1087
27.22.7.11	Channel Status event .....	1091
27.22.7.11.1	Definition and applicability .....	1091
27.22.7.11.2	Conformance requirements.....	1091
27.22.7.11.3	Test purpose .....	1091
27.22.7.11.4	Method of test.....	1091
27.22.7.12	Access Technology Change event.....	1095
27.22.7.13	Display parameter changed event .....	1097
27.22.7.14	Local Connection event.....	1097
27.22.7.15	Network search mode change event.....	1097
27.22.7.15.1	Definition and applicability .....	1097
27.22.7.15.2	Conformance requirements.....	1097
27.22.7.15.3	Test purpose .....	1097
27.22.7.15.4	Method of test.....	1097
27.22.7.16	Browsing status event .....	1099
27.22.7.17	Network Rejection Event .....	1099
27.22.7.18	CSG Cell Selection event.....	1103
27.22.7.18.1	CSG Cell Selection (normal).....	1103
27.22.7.19	IMS registration event.....	1109
27.22.7.20	Incoming IMS data event .....	1109
27.22.7.20.1	Incoming IMS data (normal) .....	1109
27.22.8	MO SHORT MESSAGE CONTROL BY USIM .....	1114
27.22.8.1	Definition and applicability.....	1114
27.22.8.2	Conformance requirement.....	1114
27.22.8.3	Test purpose .....	1114
27.22.8.4	Method of tests.....	1115
27.22.8.4.1	Initial conditions .....	1115
27.22.8.4.2	Procedure.....	1116
27.22.8.5	Test requirement .....	1124
27.22.9	Handling of command number .....	1124
27.22.9.1	Definition and applicability.....	1124
27.22.9.2	Conformance requirement.....	1124
27.22.9.3	Test purpose .....	1124
27.22.9.4	Method of tests.....	1125
27.22.9.4.1	Initial conditions .....	1125
27.22.9.4.2	Procedure.....	1125
27.22.9.5	Test requirement .....	1125
<b>Annex A (normative):</b>	<b>Details of Test-SIM (TestSIM).....</b>	<b>1126</b>
<b>Annex B (normative):</b>	<b>Details of terminal profile support .....</b>	<b>1128</b>
<b>Annex C (informative):</b>	<b>Change history .....</b>	<b>1140</b>
History .....		1146

---

# Foreword

This Technical Specification has been produced by the 3<sup>rd</sup> 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 3<sup>rd</sup> 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.