ETSI TS 131 124 V13.9.0 (2017-10)

TECHNICAL SPECIFICATION

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 13.9.0 Release 13)

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Foreword

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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

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.

In the present document, unless explicitly stated otherwise, for Rel-13 onwards the term E-UTRAN implicitly refers to the E-UTRAN in WB-S1 mode. E-UTRAN in NB-S1 mode is always explicitly referred to as NB-IoT.

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*.

- 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.

[1] - [12]   Void

[13]   If the device under test is a

- R99 ME: ETSI TS 102 221 v3.18.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-4 ME: ETSI TS 102 221 v4.16.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-5 ME: ETSI TS 102 221 v5.10.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-6 ME: ETSI TS 102 221 v6.15.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-7 ME: ETSI TS 102 221 v7.17.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-8 ME: ETSI TS 102 221 v8.5.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-9 ME: ETSI TS 102 221 v9.2.0: "UICC-Terminal interface; Physical and logical characteristics"",
- Rel-10 ME: ETSI TS 102 221 v10.0.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-11 ME: ETSI TS 102 221 v11.1.0: "UICC-Terminal interface; Physical and logical characteristics",
- Rel-12 ME: ETSI TS 102 221 v12.1.0: "UICC-Terminal interface; Physical and logical characteristics".
- Rel-13 ME: ETSI TS 102 221 v12.1.0: "UICC-Terminal interface; Physical and logical characteristics".

[14] - [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] - [25]   Void

[26]   ETSI TS 102 384: "Smart cards; UICC-Terminal interface; Card Application Toolkit (CAT) conformance specification".

[27] - [38]   Void

[39]   3GPP TS 31.124, Rel-14: "Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification".

3 Definitions and abbreviations

Void

4 Test equipment

The requirements of the present document are provided in 3GPP TS 31.124 [39].

Annex C (informative):
Change history

CP-doc	CR	REV	Meeting	SUBJECT	CAT	NEW_VERS
TP-050016	-	-	2.0.0	Approved TP-27, March 2005		6.0.0
CP-050144	0001	-	CT-28	Correction of coding in MT Call Event	F	6.1.0
CP-050144	0002	-	CT-28	Correction of applicability table	F	6.1.0
CP-050144	0003	-	CT-28	Essential Corrections	F	6.1.0
CP-050144	0004	-	CT-28	Correction of coding in MT Call Event	F	6.1.0
CP-050144	0005	-	CT-28	Removal of GET RESPONSE references	F	6.1.0
CP-050447	0006	-	CT-29	Rel-6: Correction of release dependent EF values	F	6.2.0
CP-050447	0007	-	CT-29	Correction of applicability and terminal profile support tables	F	6.2.0
CP-050447	0008	-	CT-29	Correction of EF_BDN coding	F	6.2.0
CP-050447	0009	-	CT-29	Incorrect Dialling Number string in clause 27.22.4.13.1 SEQ 1.9 for PCS 1900	F	6.2.0
CP-050447	0010	-	CT-29	Essential corrections in display icons Setup Menu and Select Item	f	6.2.0
CP-050447	0011	-	CT-29	Incorrect Ti Flag value for SET UP 1.4.1 in clause 27.22.4.16.1	F	6.2.0
CP-050447	0012	-	CT-29	Correction of TP-MR (TP Message Reference) of the SMS SUBMIT TPDU submitted to the USS (Network)	F	6.2.0
CP-050447	0013	-	CT-29	Corrections in the Logical description and BER encoding in clause 27.22.6.2 and 27.22.4.11	F	6.2.0
CP-050447	0014	-	CT-29	Incorrect DCS in SMS-CB data download tests	F	6.2.0
CP-050447	0015	-	CT-29	Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY USIM	F	6.2.0
CP-050447	0016	-	CT-29	Introduction of BDN tests for terminals not supporting BDN	B	6.2.0
CP-050447	0017	-	CT-29	Essential Corrections	F	6.2.0
CP-050447	0018	-	CT-29	Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1	F	6.2.0
CP-050447	0019	-	CT-29	Missing interactions in Bearer Independent Protocol test cases	F	6.2.0
CP-050447	0020	-	CT-29	Correction of Refresh tests	F	6.2.0
CP-050447	0022	-	CT-29	Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN	F	6.2.0
CP-050447	0023	-	CT-29	Essential correction to Terminal Profile table E.1	F	6.2.0
CP-050447	0024	-	CT-29	Correction of CB message identifier	F	6.2.0
CP-050447	0025	-	CT-29	Rel-6: Addition of new UCS2 Tests	B	6.2.0
CP-050447	0027	-	CT-29	Incorrect Coding of SMS-PP (Data download) Message in clause 27.22.4.7.1 and 27.22.5.1	F	6.2.0
-	-	-	-	2005-10: Editorial corrections due to the CRs approved at CP-29	-	6.2.1
CP-050495	0028	-	CT-30	Correction of Send SS (UCS2) tests	F	6.3.0
CP-050495	0029	-	CT-30	Essential Corrections in clause 27.22.4.11	F	6.3.0
CP-050495	0030	-	CT-30	Corrections to Select Item (icons support)	F	6.3.0
CP-050495	0031	-	CT-30	27.22.7.4.1 Location Status Event (normal)	F	6.3.0
CP-050495	0032	-	CT-30	Essential Corrections of Set Up Menu test	F	6.3.0
CP-050495	0033	-	CT-30	Correction of applicability table and related addition of missing test sequences	F	6.3.0
CP-050495	0034	-	CT-30	Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1	F	6.3.0
CP-050495	0035	-	CT-30	Essential Corrections of SMS-PP download message in Refresh test case	F	6.3.0
CP-050495	0036	-	CT-30	Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9	F	6.3.0
CP-050495	0037	-	CT-30	Deletion of SEQ 1.3 in clause 27.22.4.13.1	F	6.3.0
CP-060013	0041	-	CT-31	Deletion of Send Data test sequence	F	6.4.0
CP-060013	0042	-	CT-31	Essential correction of Provide Local Information (IMEI) test	F	6.4.0
CP-060013	0044	-	CT-31	Essential Correction in SEQ 1.8 of clause 27.22.8	F	6.4.0
CP-060013	0045	-	CT-31	Essential correction on 27.22.7.3.1 Call Disconnected Event	F	6.4.0
CP-060013	0050	-	CT-31	Essential correction of Channel Data length in clause 27.22.4.30	F	6.4.0
CP-060014	0048	-	CT-31	Essential Corrections in clause 27.22.4.11	F	6.4.0
CP-060014	0052	-	CT-31	Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM	F	6.4.0
CP-060014	0049	-	CT-31	Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal)	F	6.4.0
CP-060014	0047	-	CT-31	Essential corrections of Run AT Command tests	F	6.4.0
CP-060014	0053	-	CT-31	Essential corrections to SET UP CALL test sequences	F	6.4.0
CP-060015	0055	-	CT-31	Essential Correction in TERMINAL RESPONSE coding of clause 27.22.4.31	F	6.4.0
CP-060015	0056	-	CT-31	Essential corrections to Timer Expiration tests	F	6.4.0
CP-060015	0054	-	CT-31	BER-TLV suppressions	F	6.4.0
CP-060157	0059	-	CT-31	Add SMS PP Data Download RP-ERROR Test Case	B	6.4.0
CP-060022	0043	-	CT-31	Essential Correction in SEQ 1.7 of clause 27.22.4.13.1	F	6.4.0
CP-060022	0046	-	CT-31	Essential correction of Refresh test	F	6.4.0
CP-060022	0051	-	CT-31	Essential correction of Channel Data length in Result TLV of clause 27.22.4.30	F	6.4.0
CP-060022	0060	-	CT-31	CR 31.124 Rel-6: Insertion of missing REFRESH (IMSI changing procedure) test cases	F	6.4.0
CP-060022	0057	-	CT-31	Essential corrections of references	F	6.4.0
CP-060241	0061	-	CT-32	Proposal to the TS 31.124 Split by referencing the relevant USAT Test procedures to TS 102 384		6.5.0

CP-doc	CR	REV	Meeting	SUBJECT	CAT	NEW_VERS
CP-060241	0062	-	CT-32	Essential corrections on test cases 27.22.6.3 and 27.22.6.4 using record 2 in EF FDN		6.5.0
CP-060241	0063	-	CT-32	Essential corrections on TC 27.22.6.4 sequence 4.1		6.5.0
CP-060241	0064	-	CT-32	Essential corrections on SEND SHORT MESSAGE test cases		6.5.0
CP-060241	0065	-	CT-32	Essential correction of text attributes tests		6.5.0
CP-060241	0066	-	CT-32	Definition of appropriate QoS in BIP test cases related to GPRS for 3G		6.5.0
CP-060241	0071	-	CT-32	Essential correction of Refresh test in 27.22.7.4.2, seq. 2.4		6.5.0
CP-060241	0074	-	CT-32	Essential corrections of RUN AT Command tests		6.5.0
CP-060241	0067	-	CT-32	Essential correction of tables B.1 and E.1		6.5.0
CP-060242	0068	-	CT-32	Essential Correction in REGISTER 1.2B message coding of clause 27.22.4.11.1 SEND SS (normal)	F	6.5.0
CP-060242	0069	-	CT-32	Essential correction of 27.22.4.13.1 SET UP CALL, seq 1.4	F	6.5.0
CP-060242	0070	-	CT-32	Essential correction of second card reader test applicability	F	6.5.0
CP-060242	0072	-	CT-32	Correction of TON/NPI coding for Call Control Test case	F	6.5.0
CP-060242	0073	-	CT-32	Essential corrections on 27.22.4.11.1 sequence. 1.2	F	6.5.0
CP-060242	0075	-	CT-32	Essential correction of BIP tests	F	6.5.0
CP-060389	0082	1	CT-33	Wrong reference inside test requirement of TC 27.22.7.2.2	F	6.6.0
CP-060389	0087	1	CT-33	Essential corrections of applicability table	F	6.6.0
CP-060389	0088	1	CT-33	Essential correction of IMEISV coding for Provide Local Information	F	6.6.0
CP-060389	0089	1	CT-33	Essential corrections of text attribute tests for Send USSD and Close channel	F	6.6.0
CP-060389	0090	1	CT-33	Proposal to the TS 31.124 Split by referencing the relevant USAT Test procedures to TS 102 384	F	6.6.0
CP-060389	0091	1	CT-33	Correction to the UCS2 coding in Setup Call test	F	6.6.0
CP-060389	0092	1	CT-33	Essential correction of RUN AT Command for text attribute tests	F	6.6.0
CP-060389	0095	1	CT-33	Correction of RECEIVE DATA tests	F	6.6.0
CP-060389	0096	1	CT-33	Correction of terminology for USIM Service Table	F	6.6.0
CP-060389	0097	1	CT-33	Correction of 2nd alpha identifier usages in SET UP CALL tests	F	6.6.0
CP-060389	0098	1	CT-33	Correction of various typographical errors	F	6.6.0
CP-060389	0101	1	CT-33	Essential corrections to OPEN CHANNEL text attribute test sequences	F	6.6.0
CP-060389	0078	1	CT-33	Correction of 'Precedence class' values in Bearer Independent Protocol test cases	F	6.6.0
CP-060389	0076	1	CT-33	Essential corrections on PROVIDE LOCAL INFORMATION test sequences	F	6.6.0
CP-060389	0080	2	CT-33	Essential corrections on test sequences using the TLV data object Location Information	F	6.6.0
CP-060389	0100	2	CT-33	Essential corrections to SET UP CALL (UCS2 Display) test sequences	F	6.6.0
CP-060389	0081	3	CT-33	Essential corrections to REFRESH(normal) test sequence	F	6.6.0
CP-060389	0102	1	CT-33	Essential corrections to SEND SS display tests concerning longForwardedToNumber	F	6.6.0
CP-060475	0086	1	CT-33	Essential corrections of MMI entries in table E.1	F	6.6.0
CP-060475	0077	2	CT-33	Corrections to SET UP CALL test case 27.22.4.13.1	F	6.6.0
CP-060475	0099	1	CT-33	Essential corrections to SEND SS concerning longForwardedToNumber	F	6.6.0
CP-060475	0094	2	CT-33	Corrections to MO SHORT MESSAGE CONTROL BY USIM tests	F	6.6.0
CP-060517	0084	1	CT-33	Essential corrections Set Up Call, seq. 1.9	F	6.6.0
CP-060540	0103	-	CT-34	Correction of APN Coding in Open Channel test case	F	6.7.0
CP-060540	0085	2	CT-34	Essential corrections of BIP entries in table E.1	F	6.7.0
CP-060540	0110	2	CT-34	Essential correction of Result TLV handling	F	6.7.0
CP-060540	0111	-	CT-34	Essential correction of expected sequence in OPEN CHANNEL test case	F	6.7.0
CP-060727	0105	-	CT-34	Some of the Applicability table content is missing when printed or in Print Layout mode	F	6.7.0
CP-060727	0106	1	CT-34	Correction to SET UP CALL	F	6.7.0
CP-060727	0107	-	CT-34	Correction to SEND SS	F	6.7.0
CP-060727	0058	1	CT-34	Addition of REFRESH USIM Application Reset	B	6.7.0
CP-060727	0108	-	CT-34	Essential corrections on SEND SS (UCS2 display) test cases	F	6.7.0
CP-060727	0109	-	CT-34	Essential corrections on REFRESH TC 27.22.4.7.1	F	6.7.0
CP-060727	0104	1	CT-34	Corrections in the interpretation of Katakana Character	F	6.7.0
CP-070063	0115	-	CT-35	Essential correction of 27.22.5.2	F	6.8.0
CP-070063	0113	1	CT-35	Essential correction of Terminal Profile Support table	F	6.8.0
CP-070063	0112	1	CT-35	Essential correction of 27.22.4.13.1 Expected Sequence 1.7	F	6.8.0
CP-070065	0116	-	CT-35	Essential correction of 27.22.4.7, seq. 1.7	F	6.8.0
CP-070065	0119	-	CT-35	Essential correction of TC 27.22.7.4.1	F	6.8.0
CP-070065	0120	-	CT-35	CR implementation error correction for 27.22.6.2 SEQ 2.2	F	6.8.0
CP-070065	0121	-	CT-35	CR implementation error correction for 27.22.4.11.1 SEQ 1.4A	F	6.8.0
CP-070065	0117	1	CT-35	Essential clarification of Network Simulator selection	F	6.8.0
CP-070065	0122	1	CT-35	Essential correction of 27.22.4.7.2 SEQ 2.2	F	6.8.0
CP-070065	0124	2	CT-35	Addition of new expected sequence to the SMS-PP Data Download test case	C	6.8.0
CP-070065	0125	2	CT-35	Addition of a new expected sequence to the SMS-CB Data Download test case	F	6.8.0
CP-070297	0127	2	CT-36	Essential correction of test case applicability	F	6.9.0
CP-070297	0128	-	CT-36	Correction of 27.22.4.2 applicability	F	6.9.0

CP-doc	CR	REV	Meeting	SUBJECT	CAT	NEW_VERS
CP-070297	0129	1	CT-36	Essential correction of test case applicability for 27.22.6.1	A	6.9.0
CP-070297	0130	1	CT-36	Essential correction on 27.22.8	A	6.9.0
CP-070297	0131	-	CT-36	Essential correction on 27.22.5.1	F	6.9.0
CP-070297	0132	-	CT-36	Essential correction on 27.22.4.11.1 sequence. 1.4 B	F	6.9.0
CP-070297	0133	-	CT-36	Correction of reference to ISO/IEC 7816-3	A	6.9.0
-	-	-	2007-06	Update to Rel-7 version (MCC)	-	7.0.0
CP-070610	0136	1	CT-37	Essential Correction to 27.22.6.2	F	7.1.0
CP-070619	0137	-	CT-37	Essential correction of variable timeout test case applicability	F	7.1.0
CP-070610	0138	-	CT-37	Essential correction to 27.22.4.13.1, seq. 1.9	F	7.1.0
CP-070619	0139	-	CT-37	Essential Correction to 27.22.6.1, Seq. 1.1	F	7.1.0
CP-070619	0140	-	CT-37	Essential correction of references	F	7.1.0
CP-070619	0141	1	CT-37	Essential correction of 27.22.4.13.1, sequence 1.7	F	7.1.0
CP-070619	0142	1	CT-37	Test Cases dependant on Radio Access Clarification	F	7.1.0
CP-070619	0143	-	CT-37	Essential correction of 27.22.4.7.1, sequence 1.6	F	7.1.0
CP-070843	0145	1	CT-38	Essential correction of 27.22.8, sequence 1.3 in order to remove verification of the Alpha Identifier	A	7.2.0
CP-070843	0154	1	CT-38	Essential correction of 27.22.4.7.1, sequence 1.6 caring of the missing requirements in TS 31.111	A	7.2.0
CP-070843	0146	1	CT-38	Essential correction of 27.22.4.26.2.4.2, seq. 2.2 in order to remove the possibility of retrieving a deleted previously visited URL	A	7.2.0
CP-070843	0155	-	CT-38	Correction to add optional support of Call Hold Supplementary Service	A	7.2.0
CP-070847	0147	-	CT-38	Essential correction terminal profile indication for Local Connection Event	F	7.2.0
CP-070847	0149	-	CT-38	Essential correction on test case 27.22.4.5.1	F	7.2.0
CP-070847	0150	-	CT-38	Definition of test sequence 1.7 in test case 27.22.4.15	F	7.2.0
CP-070847	0151	-	CT-38	Definition of test sequence 1.12 and 1.13 in test case 27.22.4.15	F	7.2.0
CP-070847	0152	-	CT-38	Essential correction on test case 27.22.4.28.2.1 correcting wrong implementation of CR 0078 rev1 in C6-060547	F	7.2.0
CP-070847	0148	1	CT-38	Introduction of Rel-7 test case applicability	F	7.2.0
CP-080172	0156	-	CT-39	Essential correction to 27.22.4.15	F	7.3.0
CP-080172	0157	-	CT-39	Essential correction of 27.22.8, seq. 1.3	F	7.3.0
CP-080172	0158	1	CT-39	Essential correction regarding terminal capabilities	F	7.3.0
CP-080172	0159	-	CT-39	Essential correction to network dependency of several tests	F	7.3.0
CP-080388	0160	1	CT-40	Essential correction of icon test case applicability	F	7.4.0
CP-080388	0161	2	CT-40	Essential correction to 27.22.6.4	F	7.4.0
CP-080388	0163	3	CT-40	Essential correction of test case applicability of 27.22.6.2 and 27.22.4.11	F	7.4.0
CP-080588	0164	-	CT-41	Essential correction of TC 27.22.4.12.1 Seq. 1.6	F	7.5.0
CP-080588	0165	-	CT-41	Essential correction of test case applicability	F	7.5.0
CP-080588	0166	-	CT-41	Essential correction of TC 27.22.7.8.1	F	7.5.0
CP-080906	0168	-	CT-42	Essential correction of TC 27.22.6.5 seq. 5.1 applicability	F	7.6.0
CP-080906	0169	-	CT-42	Essential correction of bearer parameters in browser tests	F	7.6.0
CP-080948	0170	3	CT-42	Pre-conditions for Launch browser	A	7.6.0
CP-080948	0171	-	CT-42	Essential correction of 27.22.4.26.2 Seq. 2.2	A	7.6.0
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CP-090194	0173	1	CT-43	Inclusion of Rel-8 test case applicability and Rel-8 feature indication in the terminal profile content	F	8.1.0
CP-090194	0174	-	CT-43	Essential correction of tables B.1 and E.1	F	8.1.0
CP-090194	0176	1	CT-43	Essential correction to BIP tests - usage of ME's default channel identifier	A	8.1.0
CP-090459	0175	3	CT-44	Introduction of steering of roaming test cases	B	8.2.0
CP-090460	0177	1	CT-44	Test case and test case applicability changes for terminals with reduced USAT capabilities	F	8.2.0
CP-090718	0178	3	CT-45	Essential correction to icon test applicability	F	8.3.0
CP-090718	0179	1	CT-45	Update of table E.1 regarding E-UTRAN support indication	F	8.3.0
CP-090718	0180	1	CT-45	Essential correction of 27.22.6.1 sequence 1.9	F	8.3.0
CP-090718	0181	-	CT-45	Essential correction of 27.22.4.7.3, Seq. 3.2	F	8.3.0
CP-090718	0182	-	CT-45	Essential correction of applicability and terminal profile table	F	8.3.0
---------------	-	-	-	Correction of inconsistency spotted at implementation	-	8.3.1
CP-090999	0186	1	CT-46	Essential correction of 27.22.4.7.3	F	8.4.0
CP-091000	0187	1	CT-46	Update of TS 31.124 for terminals supporting E-UTRAN	F	8.4.0
CP-091000	0188	2	CT-46	Introduction of OPEN CHANNEL tests for E-UTRAN	F	8.4.0
---------------	-	-	SA-46	Upgrade to Rel-9	-	9.0.0
CP-100192	0189	1	CT-47	Introduction of BIP tests for E-UTRAN	B	9.1.0
CP-100192	0190	1	CT-47	Introduction of Network Rejection Event test	B	9.1.0
CP-100192	0191	1	CT-47	Introduction of Provide Local Information tests for E-UTRAN	B	9.1.0
CP-100192	0192	1	CT-47	Introduction of Event Download – Location Status tests for E-UTRAN	B	9.1.0
CP-100191	0194	-	CT-47	Introduction of Rel-9 test case applicability	F	9.1.0
CP-100179	0195	1	CT-47	Correction of typo error	A	9.1.0
CP-100191	0196	2	CT-47	Dual Open Channel tests in TCP mode	B	9.1.0
CP-100191	0197	1	CT-47	Open Channel tests for TCP mode and Default Bearer	B	9.1.0
CP-100191	0198	1	CT-47	Correction of optional features table	F	9.1.0
CP-100179	0199	3	CT-47	Correction of applicability for 'no alpha identifier presented' sequences	A	9.1.0

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CP-100179	0200	-	CT-47	Essential correction to the condition table	A	9.1.0
CP-100395	0202	-	CT-48	Essential correction of 27.22.4.31.1 Seq. 1.5	F	9.2.0
CP-100395	0205	-	CT-48	Essential correction of Table E.1 regarding Width reduction when in a menu	F	9.2.0
CP-100395	0207	-	CT-48	Correction to TAC coding in Provide Local Information test	F	9.2.0
CP-100395	0201	1	CT-48	Essential correction of table E.1	B	9.2.0
CP-100395	0204	1	CT-48	Essential correction of 27.22.4.27.2 Seq 2.10 test case applicability	F	9.2.0
CP-100395	0206	1	CT-48	Correction to applicability table	F	9.2.0
CP-100395	0208	1	CT-48	Network Search mode test	B	9.2.0
CP-100395	0209	1	CT-48	Event download, Network Search mode test	B	9.2.0
CP-100396	0203	1	CT-48	Introduction of Steering of Roaming test for E-UTRAN	B	9.2.0
CP-100591	0218	3	CT-49	Essential correction to Open Channel 27.22.4.27.2 sequence 2.4 test	A	9.3.0
CP-100592	0212	1	CT-49	Update of references	F	9.3.0
CP-100593	0220	1	CT-49	Essential correction to test case applicability of letter class C features	F	9.3.0
CP-100593	0214	1	CT-49	Correction of 27.22.4.28.3. Seq 3.2	F	9.3.0
CP-100593	0219	1	CT-49	Essential correction to SET UP CALL 27.22.4.13 sequence 1.1	F	9.3.0
CP-100613	0215	3	CT-49	Addition of Access Technology change event download tests for E-UTRAN	B	9.3.0
CP-100613	0216	3	CT-49	Addition of Open Channel test related to E-UTRAN network	C	9.3.0
CP-100613	0222	1	CT-49	Addition of Call Control tests for E-UTRAN	B	9.3.0
CP-100620	0221	2	CT-49	Essential correction of test 27.22.4.9.3	F	9.3.0
CP-100835	0242	1	CT-50	Addition of Provide local information test , discovery of surrounding CSG cell	B	9.4.0
CP-100833	0234	1	CT-50	Clarification of 'ELSE' parts in Table E.1	F	9.4.0
CP-100834	0235	1	CT-50	Correction of TCP/UDP referencing errors in Table E.1	F	9.4.0
CP-100834	0236	1	CT-50	LTE test cases - specifying that default E-UTRAN UICC should be used	F	9.4.0
CP-100834	0238	1	CT-50	Correction of SET UP CALL sequence 1.1	F	9.4.0
CP-100830	0233	1	CT-50	Definition of E-UTRAN/EPC ISIM-UICC for ISIM related testing	B	9.4.0
CP-100834	0239	1	CT-50	Correction of references to non-existent data items in CLOSE CHANNEL(E-UTRAN/EPC)	F	9.4.0
				Correction of errors in implementation of CR 234 (MCC).	-	9.4.1
CP-110231	0217	4	CT-51	Addition of Provide Local Information tests for multiple access technologies	B	9.5.0
CP-110230	0243	4	CT-51	Introduction ISIM related SMS-PP Data Download tests	B	9.5.0
CP-110230	0244	6	CT-51	Introduction ISIM related Send Short Message tests	B	9.5.0
CP-110231	0245	2	CT-51	Optimization of SEND SMS test cases	C	9.5.0
CP-110231	0246	1	CT-51	Optimization of SMS PP Download test case	C	9.5.0
CP-110231	0248		CT-51	Introduction of Polling Off test for E-UTRAN	B	9.5.0
CP-110231	0250	1	CT-51	Essential correction on BIP TCs for E-UTRAN/EPC	F	9.5.0
			SP-51	Automatic upgrade from previous version 9.5.0		10.0.0
CP-110503	0241	3	CT-52	Addition of Event download test, CSG cell Selection	F	10.1.0
CP-110504	0252		CT-52	Introduction ISIM related SMS-PP Data Download tests	F	10.1.0
CP-110504	0253	1	CT-52	Introduction ISIM related Send Short Message tests	F	10.1.0
CP-110719	0255	3	CT-53	Essential correction of the Terminal Profile entries in table E.1	F	10.2.0
CP-110719	0258	1	CT-53	Essential correction of Send Short message tests	F	10.2.0
CP-110592	0259	1	CT-53	Essential correction of Data Destination Address settings in BIP and Launch Browser tests	A	10.2.0
CP-110719	0261	1	CT-53	Essential Correction to Tag length in Provide Local Information test	F	10.2.0
CP-110719	0262	1	CT-53	Essential Correction to Network Rejection Event test	F	10.2.0
				Correction of implementation error in CR 255r3 (MCC)		10.2.1
CP-110904	0263		CT-54	Essential correction of SMS-PP Data Download test cases	F	10.3.0
CP-110904	0265	1	CT-54	Essential correction to Channel Status After Link Dropped in E-UTRA	F	10.3.0
CP-110904	0266	1	CT-54	Correction to test sequence content 4.3 and 4.4 for test case 27.22.4.1 of Table B.1	F	10.3.0
CP-110904	0256	2	CT-54	Essential correction to Steering of Roaming test case	F	10.3.0
CP-110906	0264	1	CT-54	Essential correction to SMS-CB Applicability	A	10.3.0
CP-110906	0257	2	CT-54	Essential correction to Play Tone test	A	10.3.0
CP-110907	0267		CT-54	Correction of incorrect implementation of CR 255r3	F	10.3.0
CP-120151	0269	1	CT-55	Test applicability correction of Open Channel with user rejection tests	A	10.4.0
CP-120152	0271	2	CT-55	Essential correction to test 27.22.4.15 Seq. 1.15	F	10.4.0
CP-120153	0268	3	CT-55	Introduction of REFRESH with AID test	B	10.4.0
CP-120394	0270	2	CT-56	Test applicability correction for terminals operating in PS mode	A	10.5.0
CP-120394	0275	1	CT-56	Correction of expected Terminal Reponse for unsuccessful Open Channel commands	A	10.5.0
CP-120395	0277		CT-56	Essential corrections to the Network Rejection Event test cases	F	10.5.0
CP-120395	0279		CT-56	Introduction of test cases for Send Short Message and SMS PP data download over SGs (E-UTRAN)	B	10.5.0
CP-120395	0276	1	CT-56	Essential correction of Open Channel with Bearer type 0B tests	F	10.5.0
CP-120395	0278	1	CT-56	Test modification for Provide Local Information IMEI and IMEISV testing	C	10.5.0
CP-120629	0282	2	CT-57	Essential correction of Launch Browser tests	A	10.6.0
CP-120629	0286	2	CT-57	Essential correction of Launch Browser tests	A	10.6.0

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CP-120630	0283		CT-57	Correction of Terminal Profile entries in table E.1	F	10.6.0
CP-120630	0281	1	CT-57	Correction of test sequence for PROVIDE LOCAL INFORMATION, Discovery of surrounding CSG cells	F	10.6.0
CP-120631	0280	1	CT-57	Corrections to test sequence 27.22.7.18.1 for CSG Cell Selection	F	10.6.0
CP-120632	0284		CT-57	Correction of network simulator dependencies of the tests in 27.22.7.4	F	10.6.0
CP-120633	0272	5	CT-57	Addition of UICC Access to IMS tests	B	10.6.0
			SP-57	Automatic upgrade to Rel-11		11.0.0
CP-120875	0287	1	CT-58	TERMINAL RESPONSE in steering of roaming test steps	F	11.1.0
CP-130149	0290	1	CT-59	Applicability of tests for MEs with reduced capabilities	A	11.2.0
CP-130370	0285	6	CT-60	Superseding of OPEN CHANNEL test sequence 2.1 by Default Bearer test sequence	B	11.3.0
CP-130370	0291	1	CT-60	Removal of applicability condition C102	F	11.3.0
CP-130370	0292		CT-60	Correction to the applicability of test case 27.22.4.7 seq. 4.1	F	11.3.0
CP-130370	0293		CT-60	Correction to the applicability of test case 27.22.8 seq. 1.4	F	11.3.0
CP-130371	0296	2	CT-60	Correction of test sequence for PROVIDE LOCAL INFORMATION, E-UTRAN Intra-Frequency and Inter-Frequency Measurements	F	11.3.0
CP-130370	0297	1	CT-60	Change of test sequence for SMS-PP data download	F	11.3.0
CP-130373	0298	2	CT-60	Changes in LAUNCH BROWSER test cases	A	11.3.0
CP-130370	0299	2	CT-60	Correction of test sequence for PROVIDE LOCAL INFORMATION, NMR, UTRAN	F	11.3.0
CP-130370	0300	2	CT-60	Essential correction to the applicability and test procedure of test case 27.22.4.10 Seq 1.9 & 27.22.5.1 Seq 1.9	F	11.3.0
CP-130532	0301	1	CT-61	Correction of Terminal Profile evaluation	F	11.4.0
CP-130532	0304	1	CT-61	Correction of chapter numbering in 27.22.7.15	F	11.4.0
CP-130532	0305	1	CT-61	Correction to applicability information of test case 27.22.4.15 seq 1.10	F	11.4.0
CP-130791	0302	1	CT-62	Correction of Terminal Profile evaluation for SET UP CALL bit	F	11.5.0
CP-130791	0307		CT-62	Correction to test case 27.22.5.2 seq. 1.7	F	11.5.0
CP-130791	0308		CT-62	Update the status of A.1/154	F	11.5.0
CP-130791	0309		CT-62	Update of the Generic Test Procedure 1 (SMS-PP Data Download)	F	11.5.0
CP-140173	0310	1	CT-63	Usage of URL in test cases for LAUNCH BROWSER command	F	11.6.0
CP-140428	0313	1	CT-64	Clarification on test case for PROVIDE LOCAL INFORMATION, E-UTRAN Inter-Frequency Measurements	F	11.7.0
CP-140426	0311	2	CT-64	Changes for validation of TI value	B	12.0.0
CP-140433	0314	1	CT-64	Modification to test case 27.22.4.28.3 SEQ 3.2 (step 5)	F	12.0.0
CP-140705	0317	1	CT-65	Open channel terminal response in case of modified parameters	F	12.1.0
CP-140705	0321	3	CT-65	Change of test sequence for LAUNCH BROWSER with default URL	F	12.1.0
CP-140709	0316		CT-65	Removal of applicability condition C133, C135, C136, C137 and C138	F	12.1.0
CP-140710	0315		CT-65	Correction of Network Dependency of the TBD test sequence	F	12.1.0
CP-140965	0324	1	CT-66	Change of test sequence for LAUNCH BROWSER with default URL	F	12.2.0
CP-140966	0323	3	CT-66	Correction of usage of TP-Message-Reference (TP-MR) in Send Short Message 1.9	F	12.2.0
CP-150164	0411		CT-67	Added column for Rel.12 in applicability table	B	12.3.0
CP-150164	0412	1	CT-67	Update of reference to ETSI TS 102 221 and release scope	F	12.3.0
CP-150164	0416		CT-67	Correction of OPEN CHANNEL Alpha Identifier handling and introduction of new alternative Terminal Response for GET CHANNEL STATUS Sequences 1.4 and 1.5 and CLOSE CHANNEL Sequence 3.2.	F	12.3.0
CP-150164	0417		CT-67	Correction of usage of TP-Message-Reference (TP-MR) in remaining Send Short Message test cases	F	12.3.0
CP-150387	0419	3	CT-68	Removal of mandatory clause	C	13.0.0
CP-150386	0420	3	CT-68	Making features optional	C	13.0.0
CP-150562	0423		CT-69	Typo in the Option A.1/74 for Class E: Terminal supports UDP, Terminal in Server Mode	F	13.1.0
CP-150562	0422	1	CT-69	Addition of Rel.13 column to applicability table	B	13.1.0
CP-150562	0427	1	CT-69	Correction of technical handling of features made optional by TR 31.901 within applicability table and terminal profile.	F	13.1.0
CP-150562	0428	1	CT-69	Correction to PLI, Inter-frequency UTRAN Measurements test case	F	13.1.0
CP-150562	0424	3	CT-69	USAT Testing Enhancement by addition of REFRESH with IMSI changing procedure test sequences	B	13.1.0
CP-150562	0425	3	CT-69	USAT Testing Enhancement by addition of REFRESH with IMSI changing procedure test sequences for E-UTRAN	B	13.1.0
CP-150828	0430	1	CT-70	Correction of applicability table for Short Message Service (SMS) over SGs	F	13.2.0
CP-160144	0434		CT-71	Correction of test case for Location status and access technology change events	F	13.3.0
CP-160144	0431	1	CT-71	Correction of TERMINAL RESPONSE coding in 27.22.4.7.2 sequence 2.3	F	13.3.0
CP-160144	0432	1	CT-71	Editorial corrections of 27.22.4.11.1 – Expected Sequence 1.5	D	13.3.0
CP-160144	0433	2	CT-71	Inclusion of Rel-12 and Rel-13 feature indication in the terminal profile support in Annex B	F	13.3.0
C6-160214	0435		CT-72	Addition of execution parameter to the applicability of TC 27.22.4.28.3 sequence 3.2	F	13.4.0

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C6-160333	0441		CT-72	Clarification of ME behavior after 3G session reset for E-UTRAN	F	13.4.0
C6-160237	0440		CT-72	Correction to Test Case 27.22.4.15	F	13.4.0
C6-160262	0437	2	CT-72	Addition of note to TC 27.22.4.7.2 Seq. 2.6/7 and TC 27.22.4.7.5 Seq. 5.1/2	F	13.4.0
C6-160266	0439	1	CT-72	Correction of test case for Location status and access technology change events	F	13.4.0
C6-160278	0438	2	CT-72	Essential correction of test case 27.22.4.14 for E-UTRAN	F	13.4.0
C6-160280	0436	1	CT-72	Clarification of ME behavior after 3G session reset	F	13.4.0
C6-160402	0442	1	CT-73	Essential correction of test case 27.22.4.14 Sequence 1.1	F	13.5.0
C6-160386	0443	1	CT-73	Essential corrections on test case 27.22.4.7.3	F	13.5.0
C6-160373	0444	1	CT-73	Clarification of ME behaviour after 3G session reset	F	13.5.0
C6-160393	0445		CT-73	Essential correction to number of BIP channels	F	13.5.0
C6-160402	0446	1	CT-73	Definition of expected EVENT DOWNLOAD - Location Status content in test case 27.22.7.4	F	13.5.0
C6-160515	0447		CT-74	Bit in Terminal Profile for call control functionality	F	13.6.0
C6-160562	0449		CT-74	Essential correction to test case on PROVIDE LOCAL INFORMATION	F	13.6.0
C6-160595	0448	1	CT-74	Correction in initial conditions for test case for Open Channel (related to E-UTRAN)	F	13.6.0
C6-170090	0451	1	CT-75	Modification of test cases 27.22.4.10.8 and 27.22.5.4 to test NB-IoT	B	13.7.0
C6-170097	0450	3	CT-75	Updating some E-UTRAN test cases applicability to cover NB-IoT implementations	B	13.7.0
C6-170044	0452	-	CT-75	Modification of E-UTRAN test sequences under cl. 27.22.4.15 and 27.22.4.14 to cover NB-IoT	B	13.7.0
C6-17045	0453	-	CT-75	Modification of E-UTRAN test sequences under cl. 27.22.4.7.3 and 27.22.4.7.5 to test NB-IoT	B	13.7.0
				Correction of implementation error		13.7.1
C6-170289	0462	2	CT-76	Introduction of new test sequences for MO SHORT MESSAGE CONTROL BY USIM in E-UTRAN	B	13.8.0
C6-170447	0472		CT-77	TS 31.124, Rel-13 content replacement by reference to TS 31.124, Rel-14	F	13.9.0

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