

# ETSI TS 131 124 V12.5.0 (2015-10)



**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 12.5.0 Release 12)**



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Reference

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Keywords

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## Foreword

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# 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.

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# 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.

## 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".

[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-13: "Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification".

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## 3 Definitions and abbreviations

Void

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## 4 Test equipment

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



## Annex A (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                              | F   | 6.4.0    |

| CP-doc    | CR   | REV | Meeting | SUBJECT  | CAT | NEW_VERS |
|-----------|------|-----|---------|--|-----|----------|
|           |      |     |         | 27.22.4.30   |     |          |
| 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-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 2 <sup>nd</sup> 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-doc    | CR   | REV | Meeting | SUBJECT  | CAT | NEW_VERS |
|-----------|------|-----|---------|--|-----|----------|
| 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-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    |
| -----     | -    | -   | SP-42   | Upgrade to Rel-8   | -   | 8.0.0    |
| 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-doc                    | CR   | REV | Meeting | SUBJECT   | CAT | NEW_VERS |
|---------------------------|------|-----|---------|---|-----|----------|
| 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    |
| 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    |
| <a href="#">CP-110231</a> | 0217 | 4   | CT-51   | Addition of Provide Local Information tests for multiple access technologies              | B   | 9.5.0    |
| <a href="#">CP-110230</a> | 0243 | 4   | CT-51   | Introduction ISIM related SMS-PP Data Download tests                                      | B   | 9.5.0    |
| <a href="#">CP-110230</a> | 0244 | 6   | CT-51   | Introduction ISIM related Send Short Message tests  | B   | 9.5.0    |
| <a href="#">CP-110231</a> | 0245 | 2   | CT-51   | Optimization of SEND SMS test cases   | C   | 9.5.0    |
| <a href="#">CP-110231</a> | 0246 | 1   | CT-51   | Optimization of SMS PP Download test case   | C   | 9.5.0    |
| <a href="#">CP-110231</a> | 0248 |     | CT-51   | Introduction of Polling Off test for E-UTRAN  | B   | 9.5.0    |
| <a href="#">CP-110231</a> | 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   |
| <a href="#">CP-110503</a> | 0241 | 3   | CT-52   | Addition of Event download test, CSG cell Selection                                       | F   | 10.1.0   |
| <a href="#">CP-110504</a> | 0252 |     | CT-52   | Introduction ISIM related SMS-PP Data Download tests                                      | F   | 10.1.0   |
| <a href="#">CP-110504</a> | 0253 | 1   | CT-52   | Introduction ISIM related Send Short Message tests  | F   | 10.1.0   |
| <a href="#">CP-110719</a> | 0255 | 3   | CT-53   | Essential correction of the Terminal Profile entries in table E.1                         | F   | 10.2.0   |
| <a href="#">CP-110719</a> | 0258 | 1   | CT-53   | Essential correction of Send Short message tests  | F   | 10.2.0   |
| <a href="#">CP-110592</a> | 0259 | 1   | CT-53   | Essential correction of Data Destination Address settings in BIP and Launch Browser tests | A   | 10.2.0   |
| <a href="#">CP-110719</a> | 0261 | 1   | CT-53   | Essential Correction to Tag length in Provide Local Information test                      | F   | 10.2.0   |
| <a href="#">CP-110719</a> | 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   |

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|-----------|------|-----|---------|---|-----|----------|
| 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   |
| 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-150388 | 0418 | 3   | CT-68   | Test cases to cover Transaction Id for simultaneous calls   | B   | 12.4.0   |
| CP-150560 | 0421 |     | CT-69   | Rel-12 content replacement by reference to TS 31.124, Rel-13  | F   | 12.5.0   |

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## History

| <b>Document history</b> |               |             |
|-------------------------|---------------|-------------|
| V12.1.0                 | October 2014  | Publication |
| V12.2.0                 | February 2015 | Publication |
| V12.3.0                 | April 2015    | Publication |
| V12.4.0                 | July 2015     | Publication |
| V12.5.0                 | October 2015  | Publication |