

3GPP TS 36.523-2 V8.6.0 (2010-06)

Technical Specification

**3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Evolved Universal Terrestrial Radio Access (E-UTRA)
and Evolved Packet Core (EPC);
User Equipment (UE) conformance specification;
Part 2: Implementation Conformance Statement (ICS)
proforma specification
(Release 8)**



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Keywords

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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.

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

The present document is part 2 of a multi-part conformance test specification for User Equipment (UE).

3GPP TS 36.523-1 [19]: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".

3GPP TS 36.523-2: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification". (the present document)

3GPP TS 36.523-3 [20]: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Abstract Test Suite (ATS)".

1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for 3rd Generation User Equipment (UE), in compliance with the relevant EPS (E-UTRA/EPC) requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-1 [24] and ISO/IEC 9646-7 [25].

The present document also specifies a recommended applicability statement for the test cases included in TS 36.523-1 [19]. These applicability statements are based on the features implemented in the UE.

Special conformance testing functions can be found in TS 36.509 [6] and the common test environments are included in 3GPP TS 36.508 [18].

The present document is valid for UE complying with EPS (E-UTRA/EPC) and implemented according to 3GPP releases starting from Release 8 up to the Release indicated on the cover page of the present document.

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 same Release as the present document.
 - For a Release 8 UE, references to 3GPP documents are to version 8.x.y, when available.

Editor's Note: The Reference list is incomplete and some references are still to UMTS specs.

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|-------------|--|
| [1] | 3GPP TR 21.905: "Vocabulary for 3GPP Specifications". |
| [2] | 3GPP TS 23.003: "Numbering, Addressing and Identification". |
| [3] to [29] | (void) |
| [30] | 3GPP TS 36.523-2: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification". |

3 Definitions, symbols and abbreviations

Void

4 Recommended Test Case Applicability

The requirements of the present document are provided in 3GPP TS 36.523-2 Release 9 [30].

Annex A: Void

Annex B (informative): Change history

| Change history | | | | | | | |
|----------------|------------------|-----------|------|-------------|--|-------|-------|
| Date | TSG # | TSG Doc. | CR | R e v | Subject/Comment | Old | New |
| 2007-11 | - | - | - | - | Initial version | | 0.0.1 |
| 2008-02 | - | - | - | - | Addition applicability 6 new LTE RRC test cases. | 0.0.1 | 0.1.0 |
| 2008-04 | - | - | - | - | Editorial corrections | 0.1.0 | 0.1.1 |
| 2008-05 | - | - | - | - | Extend the Applicability table scope with additional information for testing which may include: - relevant per TC Specific PICS statements - relevant per TC Specific PIXIT statements Updated TC applicability with contributions to RAN5#39 | 0.1.1 | 0.2.0 |
| 2008-06 | - | - | - | - | - Added TCs agreed at RAN5#39bis - Updating TCs names, numbers, removed TCs deleted from the TC list - Editorial update | 0.2.0 | 0.3.0 |
| 2008-09 | RP-41 | RP-080595 | - | - | Submitted for information. Update in accordance with RAN5#40 (Editorial update and input from R5-083453, R5-083517, R5-083654) | 0.3.0 | 1.0.0 |
| 2008-09 | post RAN5#40 | - | - | - | Update to reflect the agreed during the RAN5#40 extended e-mail agreement input: - All agreed new TCs added - One modified TCs title reflected | 1.0.0 | 1.0.1 |
| 2008-10 | post RAN5#40 bis | - | - | - | - Added new agreed at RAN5#40bis TCs - Removed TCs that are removed from the LTE/SAE WP (R5-084008) - Added TCs that exist as 80% completed in the LTE/SAE WP (R5-084008) but do not exist in 36.523-2 - Modified agreed RAN5#40bis new TC numbers - Updated TCs titles to match those in the LTE/SAE WP (R5-084008) | 1.0.1 | 1.1.0 |
| 2008-11 | Post RAN5#41 | - | - | - | R5-085361: - New TCs added to applicability table - TCs titles updated - TC 9.2.2.1.2 removed from applicability table - Table for provision of test loops added - Editorial changes | 1.1.0 | 2.0.0 |
| 2008-12 | RAN#42 | RP-080860 | | | Approval of version 2.0.0 at RAN#42, then put to version 8.0.0. | 2.0.0 | 8.0.0 |
| 2008-01 | | | | | Editorial corrections. | 8.0.0 | 8.0.1 |
| 2009-03 | RAN#43 | R5-090101 | 0001 | - | Removal of reference to 11-bit Length Indicator in E-UTRA RLC test cases | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090292 | 0002 | 1 | Applicability of new E-UTRA PDCP test case - 7.3.5.4 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090569 | 0003 | - | Updating applicability table with input relevant to agreed at RAN5#41bis 36.523-1 CRs | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090668 | 0004 | - | Batch 1B - Applicability of new E-UTRA PDCP test cases | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090737 | 0005 | - | Update of Applicability table for EPS mobility management test cases | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090738 | 0006 | - | Batch 1: Applicability for new MAC test cases 7.1.3.9 & 7.1.4.12 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090751 | 0007 | - | Addition of Applicability new LTE test cases | 8.0.1 | 8.1.0 |
| 2009-05 | RAN#44 | R5-092056 | 0008 | - | GCF Priority 2 - Adding TC 9.1.2.5 to applicability | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092091 | 0009 | - | GCF Priority 2 - Addition of applicability statement for E-UTRAN test case 6.1.2.7 for Cell reselection: Equivalent PLMN | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092116 | 0010 | - | GCF Priority 1 - Applicability of new E-UTRA MAC test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092117 | 0011 | - | GCF Priority 1 - Proposal to remove E-UTRA RLC test case 7.2.3.19 (Part 2) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092207 | 0012 | - | GCF Priority 2 - Addition of applicability for new EMM test case | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092215 | 0013 | - | GCF Priority 2 - Addition of applicability for new idle mode and RRC test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092254 | 0014 | - | Update of Applicability table for agreed EMM test cases in RAN5#42bis | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092255 | 0015 | - | GCF Priority 2 - Applicability for new idle mode test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092279 | 0016 | - | Addition of Applicability New LTE Test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092404 | 0017 | - | GCF priority 2: Applicability statements for the new MAC DRX test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092407 | 0018 | - | GCF Priority 2 - Addition of applicability for UM RLC test case 7.2.2.11 | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092415 | 0019 | - | GCF Priority 2: Applicability of new EMM test cases | 8.1.0 | 8.2.0 |

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|---------|-----------|-----------|------|--|-------|-------|
| 2009-05 | RAN#44 | R5-092416 | 0020 | GCF Priority 2: Applicability of new Cell Selection test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092424 | 0021 | Addition of LTE Operating Band Capabilities for FDD Mode Test frequencies | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092432 | 0022 | GCF Priority 2 - Addition of Applicability statement for MAC test case 7.1.4.14 | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092433 | 0023 | GCF Priority 2: Applicability of new Cell Reselection test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092448 | 0024 | Update of Applicability for Feature Group Indicators | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092450 | 0025 | GCF Priority 1 - Update of applicability for RRC part 3 test cases based on Feature Group Indicators | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092508 | 0026 | Missing applicability of EMM/ESM test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092509 | 0027 | Applicability of new EMM & ESM test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092586 | 0028 | GCF Priority 1 - Update of applicability for RLC test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092769 | 0029 | GCF Priority 2 - Applicability of new RRC test case 8.3.2.6 | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092770 | 0030 | GCF Priority 2 - Update of applicability for MAC test cases based on Feature Group Indicators | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092783 | 0031 | Addition of applicability for new idle mode CSG test cases | 8.1.0 | 8.2.0 |
| 2009-09 | RAN#45 | R5-094183 | 0032 | - Missing TCs applicability in 36-523-2 | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094206 | 0033 | - GCF Priority 3 - Remove RRC test case 8.1.3.3 applicability | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094302 | 0034 | 1 Update of Feature Group Indicators | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094404 | 0035 | - GCF Priority 2 - Applicability Statement for 8.3.2.1 | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094535 | 0036 | - Update of Applicability for PDCP tc based on FGI | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094683 | 0037 | - GCF Priority 2 - Update of applicability for RLC test case 7.2.2.11 | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094722 | 0038 | - Correction of TC titles on RRC part 2 (8.2 RRC Connection Reconfiguration) | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094727 | 0039 | 1 Update of test case applicability for feature group indicators for RRC part 2 (8.2 RRC Connection Reconfiguration) | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095033 | 0040 | - GCF Priority 2 - Addition of applicability for new SMS over SGs test cases | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095224 | 0041 | 1 GCF Priority 2 - Update of applicability for LTE-C2k interworking test cases | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095225 | 0042 | 1 Corrections to PICS for PS and CS registration and applicability of EMM test cases | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095226 | 0043 | 1 merge of 36.523-2 EMM CRs from RAN5#44 | 8.2.0 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095229 | 0044 | - Applicability for Idle Mode test cases | 8.2.0 | 8.3.0 |
| 2009-11 | GERAN #44 | GP-092406 | 0045 | - Addition of new Test Case 6.2.3.21 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095479 | 0046 | - Applicability of new TC 6.2.3.6 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095480 | 0047 | - Applicability of new/removed RRC Part 2 test cases | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095483 | 0048 | - Applicability of new ESM test cases | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095526 | 0049 | - GCF Priority 1 - Update of RLC test case applicability | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095673 | 0050 | - Applicability for new IDLE MODE test case 6.1.2.13 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095797 | 0051 | - Addition of applicability for new DSMIPv6 test cases | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095989 | 0052 | - Wrong reference in TC applicability condition C01 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096064 | 0053 | - GCF Priority 1 - Corrections to MAC test case applicability | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096119 | 0054 | 2 Applicability for section 8.4 RRC Inter-RAT test cases NTT DOCOMO | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096134 | 0055 | - GCF Priority 3 - Correction to E-UTRA DRB test case 12.3 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096136 | 0056 | - GCF Priority 3 - Applicability of new E-UTRA DRB test case 12.3 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096659 | 0057 | - GCF Priority 2 - Addition of applicability for new test case 11.1.4 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096702 | 0058 | - Add applicabilities for test case 8.1.3.7 and 8.5.2.1 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096703 | 0059 | - GCF Priority 3 - Add applicabilities for new test case 8.3.1.11 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096704 | 0060 | - Update of Applicability table for Multi-layer Procedure test cases | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096705 | 0062 | - EMM CRs from RAN5#45 | 8.3.0 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096710 | 0061 | - GCF Priority 3 - Addition of applicability for new LTE-C2k interworking test cases | 8.3.0 | 8.4.0 |
| 2010-03 | RAN#47 | R5-100080 | 0063 | - Addition of applicability for new multi-layer test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100179 | 0064 | - Applicability for new EMM test case 9.2.1.2.14 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100286 | 0065 | - Update of Applicability table of TC 8.4.2.4 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100333 | 0066 | - Addition of TDD RF Baseline Implementation Capabilities | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100479 | 0067 | - Addition of applicability for new DSMIPv6 test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100498 | 0068 | - GCF priority 3 - Applicability Statements for new PUSCH Hopping test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100747 | 0069 | - Adding PICS for UE UTRAN and GERAN types | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101030 | 0070 | - GCF Priority 3 - Adding TC 9-1-5-1 EMM Information Procedure applicability | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101143 | 0071 | - Addition of applicability for new LTE-C2k interworking test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101193 | 0072 | - GCF Priority 3 - Addition of applicability statement for E-UTRAN test case 13.4.1.2 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101194 | 0073 | - Applicability of new RRC part 1 test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101195 | 0074 | - Correcting applicability and PICS for EMM test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101196 | 0075 | - Removal of LTE test cases 9.3.1.2 and 10.5.2 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101197 | 0076 | - Corrections to applicability table to align to TS 36.523-1 | 8.4.0 | 8.5.0 |

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| 2010-03 | RAN#47 | R5-101198 | 0077 | - | Correction of the Applicability of GCF Priority 2 NAS test case 9.2.2.1.1 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-101199 | 0078 | - | Update of applicability of ESM test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | RP-100116 | 0079 | - | Test Case titles alignment | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | GP-100099 | 0064 | - | Addition of new Test Case 6.2.3.22 | 8.4.0 | 8.5.0 |
| 2010-06 | RAN#48 | R5-103229 | 0093 | - | Removal of technical content in 36.523-2 v8.5.0 and substitution with pointer to the next Release | 8.5.0 | 8.6.0 |