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
mobile, UE, terminal, testing, E-UTRA, EPC

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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.

[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	Rev	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: Applicablility 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

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 - Applicabilty 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

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