ETSI TS 137 571-1 V12.8.0 (2016-11)

Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification (3GPP TS 37.571-1 version 12.8.0 Release 12)

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Foreword

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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).

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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.

Introduction

The present document is part 1 of a multi-parts TS:

   3GPP TS 37.571-1: Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification.

   3GPP TS 37.571-2: Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance.

   3GPP TS 37.571-3: Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS).

   3GPP TS 37.571-4: Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites.

   3GPP TS 37.571-5: Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data.

1   Scope

The present document specifies the procedures for the conformance test of the measurement requirements for FDD or TDD mode of UTRA and FDD or TDD mode of E-UTRA for the User Equipment (UE) that supports one or more of the defined positioning methods. These positioning methods are for UTRA: Assisted Global Positioning System (A-GPS), Assisted Global Navigation Satellite Systems (A-GNSS) and for E-UTRA: Assisted Global Navigation Satellite System (A-GNSS), Observed Time Difference of Arrival (OTDOA), Enhanced Cell ID (ECID).

Tests are only applicable to those mobiles that are intended to support the appropriate functionality. To indicate the circumstances in which tests apply, this is noted in the 'Test applicability " part of the test.

The Implementation Conformance Statement (ICS) pro-forma could be found in the 3rd part 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 unless the context in which the reference is made suggests a different Release is relevant (information on the applicable release in a particular context can be found in e.g. test case title, description or applicability, message description or content).

    [1] to [37] (void)

    [38]   3GPP TS 37.571-1 Release 13: "Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification"

3   Definitions, symbols and abbreviations

Void

4   General test conditions

The requirements of the present document are provided in 3GPP TS 37.571-1 Release 13 [38].

5 to 10 Void

Annex A to G: Void

Annex H (informative): Change history

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment TS 36.571-1	Old	New
2010-08	RAN5#48	R5-104316			Initial draft TS 36.571-1 created		0.0.0
2010-11	RAN5#49	R5-106613			V1.0.0 created for presentation to RAN Plenary	0.0.0	1.0.0
2011-02	RAN5#50	R5-110124			Various values and corrections added	1.0.0	1.1.0
2011-08	RAN5#52	R5-113133			Text changes from R5-112139, R5-112386, R5-112837, R5-112838, R5-112839 added	1.1.0	1.2.0
2011-08	RAN5#53				Text changes from R5-113135, R5-113150, R5-114066, R5-113587 added	1.2.0	-
2011-11	RAN5#53	R5-115206			Initial draft TS 37.571-1 created from TS 36.571-1, TS 34.171 and TS 34.172	-	1.0.0
2011-11	RAN5#53	R5-115207			V2.0.0 created for presentation to RAN Plenary with additions from R5-115246, R5-115247, R5-115248, R5-115809	1.0.0	2.0.0
2011-12	RAN#54	-	-	-	Moved to Rel-9 with editorial changes only	2.0.0	9.0.0
2012-03	RAN#55	R5-120087	0001	-	Modify OTDOA connection diagrams	9.0.0	9.1.0
2012-03	RAN#55	R5-120089	0002	-	OTDOA parameter corrections	9.0.0	9.1.0
2012-03	RAN#55	R5-120414	0003	-	Adding ECID test cases to Annexes in TS 37.571-1	9.0.0	9.1.0
2012-03	RAN#55	R5-120822	0004	-	Correct A-GNSS signalling	9.0.0	9.1.0
2012-03	RAN#55	R5-120823	0005	-	ECID procedure modifications	9.0.0	9.1.0
2012-03	RAN#55	R5-120893	0006	-	OTDOA procedure updates	9.0.0	9.1.0
2012-06	RAN#56	R5-121126	0007	-	Update to Figure 9.1.1.3-1	9.1.0	9.2.0
2012-06	RAN#56	R5-121127	0008	-	Clarification to notes in tests 9.1.3 & 9.1.4	9.1.0	9.2.0
2012-06	RAN#56	R5-121128	0009	-	Clarifications to frequencies and bandwidths to be used	9.1.0	9.2.0
2012-06	RAN#56	R5-121129	0010	-	Setting responseTime in ECID test cases	9.1.0	9.2.0
2012-06	RAN#56	R5-121130	0011	-	Modifications to signalling used in OTDOA test cases	9.1.0	9.2.0
2012-06	RAN#56	R5-121908	0012	-	Adding operating band 26 to TS 37.571-1	9.1.0	9.2.0
2012-06	RAN#56	-	-	-	Added missing contents from R5-121126, R5-121127, R5-121128	9.2.0	9.2.1
2012-06	RAN#56	-	-	-	Upgraded to v10.0.0 with no change.	9.2.1	10.0.0
2012-09	RAN#57	R5-123066	0013	-	Correction to RSTD Measurement Accuracy Tests 9.1.3 and 9.1.4	10.0.0	10.1.0
2012-09	RAN#57	R5-123913	0014	-	Addition of RRM Test Case 9.8.4 TDD inter-frequency RSTD Accuracy	10.0.0	10.1.0
2012-12	RAN#58	R5-125136	0015	-	Corrections to references	10.1.0	10.2.0
2012-12	RAN#58	R5-125188	0016	-	Correction to LPP Message Content for GNSS Moving Scenario Test	10.1.0	10.2.0
2012-12	RAN#58	R5-125806	0018	-	New test case 10.1 FDD RSTD Measurement Reporting Delay for Carrier Aggregation	10.1.0	10.2.0
2012-12	RAN#58	R5-125807	0019	-	New test case 10.2 TDD RSTD Measurement Reporting Delay for Carrier Aggregation	10.1.0	10.2.0
2012-12	RAN#58	R5-125808	0020	-	New test case 10.3 FDD RSTD Measurement Accuracy for Carrier Aggregation	10.1.0	10.2.0
2012-12	RAN#58	R5-125809	0021	-	New test case 10.4.TDD RSTD Measurement Accuracy for Carrier Aggregation	10.1.0	10.2.0
2012-12	RAN#58	R5-125831	0022	-	Adding bands 28 and 44 to TS 37.571-1	10.1.0	10.2.0
2012-12	RAN#58	R5-125847	0023	-	Corrections to procedures for RSTD tests	10.1.0	10.2.0
2012-12	RAN#58	R5-125848	0024	-	Correction of OCNG Patterns for UE Rx - Tx Time Difference Test Cases	10.1.0	10.2.0
2012-12	RAN#58	R5-125916	0025	-	Add editor's note for value of Iprs for test case 9.1.4	10.1.0	10.2.0
2012-12	RAN#58	R5-124120	0026	-	New common text for test cases 10.1 - 10.4 for RSTD for Carrier Aggregation	10.1.0	10.2.0
2013-03	RAN#59	R5-130959	0027		LBS Perf: Corrections to TCs 8.1.1 and 8.1.2	10.2.0	10.3.0
2013-06	RAN#60	R5-131097	0028	-	Removal of Note 1 from OTDOA parameter tables	10.3.0	10.4.0
2013-06	RAN#60	R5-131176	0029	-	Clarification to RSTD Delay Test procedures	10.3.0	10.4.0
2013-06	RAN#60	R5-131943	0030	-	New Test Case for FDD-FDD inter-frequency RSTD Accuracy	10.3.0	10.4.0
2013-06	RAN#60	R5-131944	0031	-	New Test Case for FDD-FDD inter-frequency RSTD measurement reporting delay	10.3.0	10.4.0
2013-06	RAN#60	R5-131945	0032	-	OTDOA test case alignment with RAN 4	10.3.0	10.4.0
2013-06	RAN#60	R5-131946	0033	-	Corrections to ECID and OTDOA tests Note: same contents as R5-131945 was submitted by accident.	10.3.0	10.4.0
2013-06	RAN#60	R5-131947	0034	-	RSTD test parameter updates	10.3.0	10.4.0
2013-06	RAN#60	R5-131993	0035	-	Test Description for TDD inter-frequency accuracy test case	10.3.0	10.4.0
2013-06	RAN#60	R5-131994	0036	-	New test case for TDD inter-frequency RSTD reporting delay 9.2.2	10.3.0	10.4.0
2013-09	RAN#61	R5-133173	0037	-	Tidy up of Table 9.2.1.4.1-1	10.4.0	10.5.0

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment TS 36.571-1	Old	New
					Change history		
2013-09	RAN#61	R5-133174	0038	-	Corrections to ECID and OTDOA tests	10.4.0	10.5.0
2013-09	RAN#61	R5-133375	0039	-	Uncertainties and Test Tolerances for RSTD test cases 9.1.1 and 9.1.2	10.4.0	10.5.0
2013-09	RAN#61	R5-133378	0040	-	Uncertainties and Test Tolerances for RSTD test cases 9.1.3 and 9.1.4	10.4.0	10.5.0
2013-09	RAN#61	R5-133848	0041	-	LBS Perf: Uncertainties and test tolerances for TCs 8.1.1 and 8.1.2	10.4.0	10.5.0
2013-09	RAN#61	R5-133885	0042	-	LBS Perf: Revision of test procedure for TC-s 8.1.1-2	10.4.0	10.5.0
2013-12	RAN#62	R5-134200	0043	-	Updates to ECID and RSTD tests following RAN 4 updates	10.5.0	10.6.0
2013-12	RAN#62	R5-134202	0044	-	Addition of Capability exchange in ECID and RSTD tests	10.5.0	10.6.0
2013-12	RAN#62	R5-134205	0045	-	Addition of Applicabilities for 9.2.1 - 9.2.5	10.5.0	10.6.0
2013-12	RAN#62	R5-134849	0046	-	Addition of missing acknowledgements in ECID tests	10.5.0	10.6.0
2013-12	RAN#62	R5-134850	0047	-	Corrections to references for OCNG and RMC	10.5.0	10.6.0
2013-12	RAN#62	R5-134899	0048	-	Introduction 8.1.3 E-UTRAN FDD UE Rx-Tx time difference (feICIC)	10.5.0	10.6.0
2013-12	RAN#62	R5-134970	0049	-	Introduction 8.1.4 E-UTRAN TDD UE Rx-Tx time difference (feICIC)	10.5.0	10.6.0
2013-12	RAN#62	R5-134979	0050	-	Addition of new tests 10.1a, 10.2a, 10.3a and 10.4a for 20MHz CA	10.5.0	10.6.0
2013-12	RAN#62	R5-134980	0051	-	LBS Perf: Corrections to RSTD reporting tests	10.5.0	10.6.0
2013-12	RAN#62	R5-135016	0052	-	Uncertainties and Test Tolerances for RSTD test cases 9.2.1 and 9.2.2	10.5.0	10.6.0
2013-12	RAN#62	R5-135018	0053	-	Uncertainties and Test Tolerances for RSTD test cases 9.2.4 and 9.2.5	10.5.0	10.6.0
2014-03	RAN#63	R5-140107	0054	-	Corrections to PRS_RA in RSTD tests	10.6.0	10.7.0
2014-03	RAN#63	R5-140278	0055	-	Addition of E-UTRA band groups	10.6.0	10.7.0
2014-03	RAN#63	R5-140308	0056	-	LBS RF: Aperiodic CQI configuration for 1.4 MHz bandwidth subtests	10.6.0	10.7.0
2014-03	RAN#63	R5-141033	0057	-	RSTD test case updates	10.6.0	10.7.0
2014-03	RAN#63	R5-140875	0058	-	Additions to TC 8.1.6 E-UTRAN TDD UE Rx-Tx time difference (feICIC)	10.7.0	11.0.0
2014-03	RAN#63	R5-141010	0059	-	Additions to TC 8.1.5 E-UTRAN FDD UE Rx-Tx time difference (feICIC)	10.7.0	11.0.0
2014-06	RAN#64	R5-142098	0060	-	Corrections for OCNG patterns defined in RSTD Tables	11.0.0	11.1.0
2014-06	RAN#64	R5-142211	0061	-	Additions to feICIC UE Rx-Tx test cases in Annex C	11.0.0	11.1.0
2014-06	RAN#64	R5-142302	0062	-	LBS RF: Aperiodic CQI configuration for 1.4 MHz bandwidth tests	11.0.0	11.1.0
2014-06	RAN#64	R5-143109	0063	-	Additions to TC 8.1.6 E-UTRAN TDD UE Rx-Tx time difference (feICIC)	11.0.0	11.1.0
2014-06	RAN#64	R5-143111	0064	-	Additions to FDD interruption requirements for SCell	11.0.0	11.1.0
2014-06	RAN#64	R5-143180	0065	-	Additions to TC 8.1.5 E-UTRAN FDD UE Rx-Tx time difference (feICIC)	11.0.0	11.1.0
2014-06	RAN#64	R5-143211	0066	-	LBS RF: Update of RSTD tests	11.0.0	11.1.0
2014-09	RAN#65	R5-144080	0068	-	Corrections to RSTD Measurement Reporting Delay for Carrier Aggregation tests	11.1.0	11.2.0
2014-09	RAN#65	R5-144125	0069	-	Corrections to Physical Cell Id (PCI) Configuration Conditions in UE Rx-Tx time difference feICIC	11.1.0	11.2.0
2014-09	RAN#65	R5-144193	0072	-	Cell-specific test parameters for E-UTRAN	11.1.0	11.2.0
2014-09	RAN#65	R5-144215	0081	-	Clarification to RSTD Reporting Delay tests	11.1.0	11.2.0
2014-09	RAN#65	R5-144409	0083	-	Update to initial conditions and measurement procedure in for UTRA A-GPS and A-GNSS tests	11.1.0	11.2.0
2014-09	RAN#65	R5-144553	0084	-	Removal of editors note in TC 9.1.4	11.1.0	11.2.0
2014-09	RAN#65	R5-144620	0085	-	Updates OTDOA Neighbour Cell Info List	11.1.0	11.2.0
2014-09	RAN#65	R5-144763	0086	-	Correction for RSTD Measurement Accuracy in CA requirements in RRM	11.1.0	11.2.0
2014-09	RAN#65	R5-144789	0070	-	Uncertainties and Test Tolerances for RSTD test cases 10.1, 10.1A, 10.2 and 10.2A	11.1.0	11.2.0
2014-09	RAN#65	R5-144790	0071	-	Uncertainties and Test Tolerances for RSTD test cases 10.3, 10.3A, 10.4 and 10.4A	11.1.0	11.2.0
2014-09	RAN#65	R5-144791	0082	-	Updates to Annex E of TS 37.571-1	11.1.0	11.2.0
2014-09	RAN#65	R5-144792	0087	-	RSTD tests RAN 4 alignment	11.1.0	11.2.0
2014-09	RAN#65	R5-144865	0088	-	Editor's note to PRS levels with fading	11.1.0	11.2.0
2014-09	RAN#65	R5-144870	0089	-	Corrections to Note 3 for RSTD CA tests	11.1.0	11.2.0
2014-09	RAN#65	R5-144914	0090	-	Corrections to TDD RSTD Measurement Reporting Delay for Carrier Aggregation	11.1.0	11.2.0
2014-09	RAN#65	R5-144915	0091	-	RSTD CA Measurement Accuracy connection diagrams	11.1.0	11.2.0
2014-09	RAN#65	R5-144203	0073	-	Addition of new TC 10.1B FDD RSTD Measurement Reporting Delay CA for 5+5MHz	11.2.0	12.0.0
2014-09	RAN#65	R5-144204	0074	-	Addition of new TC 10.1C FDD RSTD Measurement Reporting Delay CA for 10+5MHz	11.2.0	12.0.0

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment TS 36.571-1	Old	New
2014-09	RAN#65	R5-144205	0075	-	Addition of new TC 10.2B TDD RSTD Measurement Reporting Delay CA for 5+5MHz	11.2.0	12.0.0
2014-09	RAN#65	R5-144206	0076	-	Addition of new TC 10.2C TDD RSTD Measurement Reporting Delay CA for 10+5MHz	11.2.0	12.0.0
2014-09	RAN#65	R5-144207	0077	-	Addition of new TC 10.3B FDD RSTD Measurement Accuracy CA for 5+5MHz	11.2.0	12.0.0
2014-09	RAN#65	R5-144208	0078	-	Addition of new TC 10.3C FDD RSTD Measurement Accuracy CA for 10+5MHz	11.2.0	12.0.0
2014-09	RAN#65	R5-144209	0079	-	Addition of new TC 10.4B TDD RSTD Measurement Accuracy CA for 5+5MHz	11.2.0	12.0.0
2014-09	RAN#65	R5-144210	0080	-	Addition of new TC 10.4C TDD RSTD Measurement Accuracy CA for 10+5MHz	11.2.0	12.0.0
2014-12	RAN#66	R5-145133	0092	-	Update Galileo ICD reference	12.0.0	12.1.0
2014-12	RAN#66	R5-145211	0093	-	Io value incorrectly calculated	12.0.0	12.1.0
2014-12	RAN#66	R5-145212	0094	-	Editorial Note clarification	12.0.0	12.1.0
2014-12	RAN#66	R5-145213	0095	-	Alignment of Es/Nos value	12.0.0	12.1.0
2014-12	RAN#66	R5-145214	0096	-	Duplicated Io values listed in RSTD tables	12.0.0	12.1.0
2014-12	RAN#66	R5-145215	0097	-	Correction to References in Specification	12.0.0	12.1.0
2014-12	RAN#66	R5-145254	0098	-	LBS Perf: Corrections to measurement gap configuration	12.0.0	12.1.0
2014-12	RAN#66	R5-145490	0099	-	Test Tolerances for TC 8.1.5 E-UTRAN FDD UE Rx-Tx time difference (feICIC)	12.0.0	12.1.0
2014-12	RAN#66	R5-145491	0100	-	Test Tolerances for TC 8.1.6 E-UTRAN TDD UE Rx-Tx time difference (feICIC)	12.0.0	12.1.0
2014-12	RAN#66	R5-145492	0101	-	Uncertainties and Test Tolerances to Annex C for feICIC UE Rx-Tx test cases	12.0.0	12.1.0
2014-12	RAN#66	R5-145502	0102	-	Correction to periodicity of ABS pattern in UE RX-TX time difference for feICIC	12.0.0	12.1.0
2014-12	RAN#66	R5-145503	0103	-	Introduction of BDS testing in Annex C of 37.571	12.0.0	12.1.0
2014-12	RAN#66	R5-145510	0104	-	Correction to Annex E notes and tables	12.0.0	12.1.0
2014-12	RAN#66	R5-145836	0105	-	Changes to RSTD tests to align with RAN 4	12.0.0	12.1.0
2014-12	RAN#66	R5-145843	0106	-	Introduction of feICIC applicability statement for UE Rx-TX Time Difference test cases	12.0.0	12.1.0
2014-12	RAN#66	R5-145864	0107	-	Introduction of content for BDS and UTRA TDD UE in section 1-3 of TS 37.571-1	12.0.0	12.1.0
2014-12	RAN#66	R5-145865	0108	-	Introduction of content for BDS in section 4 in TS 37.571-1	12.0.0	12.1.0
2014-12	RAN#66	R5-145870	0109	-	Corrections to measurement procedures for UTRA A-GPS and A-GNSS tests	12.0.0	12.1.0
2014-12	RAN#66	R5-145871	0110	-	Correction to UE Rx-Tx Time difference tests	12.0.0	12.1.0
2014-12	RAN#66	R5-145920	0111	-	Introduction of test cases for BDS and UTRA TDD UE in section 6 of TS 37.571-1	12.0.0	12.1.0
2014-12	RAN#66	R5-145930	0112	-	Introduction of test cases for BDS in section 7 of TS 37.571-1	12.0.0	12.1.0
2015-03	RAN#67	R5-150051	0113	-	Updates to RSTD values and terminology following changes in RAN 4	12.1.0	12.2.0
2015-03	RAN#67	R5-150074	0114	-	Remove incorrect note from CA RSTD accuracy tests	12.1.0	12.2.0
2015-03	RAN#67	R5-150082	0115	-	Uncertainties and Test Tolerances for RSTD test cases 10.1, 10.1A, 10.1B, 10.1C, 10.2, 10.2A, 10.2B, and 10.2C	12.1.0	12.2.0
2015-03	RAN#67	R5-150085	0116	-	Uncertainties and Test Tolerances for RSTD test cases 10.3B, 10.3C, 10.4B, and 10.4C	12.1.0	12.2.0
2015-03	RAN#67	R5-150107	0117	-	Corrections to table headings in CA RSTD tests	12.1.0	12.2.0
2015-03	RAN#67	R5-150378	0118	-	Very minor corrections to references for feICIC test cases, 8.1.5 and 8.1.6	12.1.0	12.2.0
2015-03	RAN#67	R5-150609	0119	-	Abbrevation Corrections for BDS in 37.571-1	12.1.0	12.2.0
2015-03	RAN#67	R5-150833	0120	-	Addition of BDS ICD reference	12.1.0	12.2.0
2015-03	RAN#67	R5-150834	0121	-	Corrections to BDS Test Requirements for Minimum Performance tests	12.1.0	12.2.0
2015-03	RAN#67	R5-150835	0122	-	The Io Unit Parameter is Incorrect	12.1.0	12.2.0
2015-03	RAN#67	R5-150836	0123	-	Inconsistent Text Referenced	12.1.0	12.2.0
2015-03	RAN#67	R5-150837	0124	-	Missing Abbreviations in Specification	12.1.0	12.2.0
2015-03	RAN#67	R5-150888	0125	-	New TC: TDD RSTD Measurement Accuracy for Carrier Aggregation for 20MHz+10MHz bandwidth	12.1.0	12.2.0
2015-03	RAN#67	R5-150911	0126	-	New TC: TDD RSTD Measurement Reporting Delay for Carrier Aggregation for 20MHz +10MHz Bandwidth	12.1.0	12.2.0
2015-06	RAN#68	R5-151070	0128	-	Delete "FFS" from ECID test conditions	12.2.0	12.3.0
2015-06	RAN#68	R5-151083	0129	-	Uncertainties and Test Tolerances for RSTD test case 10.2D	12.2.0	12.3.0
2015-06	RAN#68	R5-151085	0130	-	Uncertainties and Test Tolerances for RSTD test case 10.4D	12.2.0	12.3.0
2015-06	RAN#68	R5-151086	0131	-	RSTD accuracy changes for Rel-12	12.2.0	12.3.0
2015-06	RAN#68	R5-151088	0132	-	Formatting error in Parameter Sensitivity Coarse Tables	12.2.0	12.3.0
2015-06	RAN#68	R5-151089	0133	-	Incorrect Expected RSTD value in Table 9.2.5.4.1-1	12.2.0	12.3.0
2015-06	RAN#68	R5-151162	0135	-	Correction of the TPR of Absolute GNSS signal level for Dynamic Range	12.2.0	12.3.0

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment TS 36.571-1	Old	New
2015-06	RAN#68	R5-151331	0136	-	Addition of band 32 to 37.571-1	12.2.0	12.3.0
2015-06	RAN#68	R5-151335	0137	-	Corrections to message contents for feICIC TCs in 37.571-1	12.2.0	12.3.0
2015-06	RAN#68	R5-151912	0134	1	LPP responseTime update and correction	12.2.0	12.3.0
2015-06	RAN#68	R5-151913	0138	1	Introduction of new test case 8.1.3 to 37.571-1	12.2.0	12.3.0
2015-06	RAN#68	R5-151914	0139	1	Introduction of new test case 8.1.4 to 37.571-1	12.2.0	12.3.0
2015-06	RAN#68	R5-152014	0127	1	Add TDD to A-GNSS testing	12.2.0	12.3.0
2015-09	RAN#69	R5-153253	0140	-	CA LBS: Clarification of PHICH configuration	12.3.0	12.4.0
2015-09	RAN#69	R5-153661	0144	-	Update of Galileo OS SIS ICD reference	12.3.0	12.4.0
2015-09	RAN#69	R5-153863	0143	1	Update of feICIC Test cases 8.1.5 and 8.1.6	12.3.0	12.4.0
2015-09	RAN#69	R5-153864	0141	1	Update of eICIC Test case 8.1.3	12.3.0	12.4.0
2015-09	RAN#69	R5-153865	0142	1	Update of eICIC Test case 8.1.4	12.3.0	12.4.0
2015-09	RAN#69	-	-	-	update of the "non-specific references" in section 2 according to the approved R5-153582 and an action point on ETSI MCC	12.3.0	12.4.0
2015-12	RAN#70	R5-155018	0145	-	Uncertainties and Test Tolerances for RSTD Test Cases 10.3A_1 and 10.4A_1	12.4.0	12.5.0
2015-12	RAN#70	R5-155035	0146	-	Incorrect Table Note referenced in LPP Request Table	12.4.0	12.5.0
2015-12	RAN#70	R5-155063	0149	-	Incorrect references in TDD test cases	12.4.0	12.5.0
2015-12	RAN#70	R5-155064	0150	-	Reference [2] has no explanation	12.4.0	12.5.0
2015-12	RAN#70	R5-155065	0151	-	Remove square brackets from RSTD tests	12.4.0	12.5.0
2015-12	RAN#70	R5-155066	0152	-	Incorrect Section number referenced	12.4.0	12.5.0
2015-12	RAN#70	R5-155081	0153	-	Editorial changes to correct Section and Table references	12.4.0	12.5.0
2015-12	RAN#70	R5-155875	0154	1	Two new 3 DL CA RSTD Measurement Reporting Delay test cases	12.4.0	12.5.0
2015-12	RAN#70	R5-156111	0155	1	Two new 3 DL CA RSTD Measurement Accuracy test cases	12.4.0	12.5.0
2016-03	RAN#71	R5-160041	0156	-	Correction to Cells in OTDOA 3DL RSTD Measurement	12.5.0	12.6.0
2016-03	RAN#71	R5-160900	0164	-	Add Cell values in RSTD Table for 3DL RSTD	12.5.0	12.6.0
2016-03	RAN#71	R5-160909	0157	1	Correction of Cell Time offset in RSTD CA	12.5.0	12.6.0
2016-03	RAN#71	R5-161016	0161	1	Add Cell values in OTDOA table for 3DL RSTD Measurement Reporting Delay	12.5.0	12.6.0
2016-03	RAN#71	R5-161053	0158	1	Correction to Trstd values in 3DL RSTD Measurement Accuracy test cases	12.5.0	12.6.0
2016-03	RAN#71	R5-161054	0160	1	Addition of antenna diagram Figure for 3DL CA test cases	12.5.0	12.6.0
2016-06	RAN#72	R5-162114	0165	-	Uncertainties and Test Tolerances for RSTD Test Cases 10.5 and 10.6	12.6.0	12.7.0
2016-06	RAN#72	R5-162116	0166	-	Uncertainties and Test Tolerances for RSTD Test Cases 10.7 and 10.8	12.6.0	12.7.0
2016-06	RAN#72	R5-163116	0167	1	Uncertainties and Test tolerances for TS 37.571-1 Test cases 8.1.3 and 8.1.4	12.6.0	12.7.0
2016-09	RAN#73	R5-165184	0175	-	Removal of technical content in 37.571-1 v12.7.0 and substitution with pointer to the next Release	12.7.0	12.8.0

Change history

History

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V12.0.0	October 2014	Publication
V12.1.0	January 2015	Publication
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