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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 3: Implementation Conformance Statement (ICS)
(3GPP TS 37.571-3 version 10.2.1 Release 10)

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Foreword

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under http://webapp.etsi.org/key/queryform.asp.

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;

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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 3 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 provides the Implementation Conformance Statement (ICS) proforma for 3rd Generation UTRAN and E-UTRAN User Equipment (UE) supporting UE positioning, in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-1 [7] and ISO/IEC 9646-7 [8].

The present document also specifies a recommended applicability statement for the test cases included in 3GPP TS 37.571-1 [5] and 3GPP TS 37.571-2 [6]. These applicability statements are based on the features implemented in the UE.

Special conformance testing functions can be found in 3GPP TS 34.109 [10] for UTRA and 3GPP TS 36.509 [2] for E-UTRA. The common test environments are included in 3GPP TS 34.108 [9] for UTRA and in 3GPP TS 36.508 [3] for E-UTRA.

The present document is valid for UE supporting UE positioning implemented according to 3GPP releases starting from Release 99 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.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 36.509: "Special conformance testing functions for User Equipment".

[3] 3GPP TS 36.508: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common Test Environments for User Equipment (UE) Conformance Testing".

[4] 3GPP TS 36.355: "Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol (LPP)".

[5] 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".

[6] 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".

[7] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[8] ISO/IEC 9646-7: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[9] 3GPP TS 34.108: "Common Test Environments for User Equipment (UE) Conformance Testing".

[10] 3GPP TS 34.109: "Terminal logical test interface; Special conformance testing functions".

[11] 3GPP TS 36.523-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

[12] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

3 Definitions, symbols and abbreviations

For the purposes of the present document, the following terms, definitions, symbols and abbreviations apply:

- such given in TR 21.905[1]
- such given in ISO/IEC 9646-1 [7] and ISO/IEC 9646-7 [8]

NOTE: Some terms and abbreviations defined in [7] and [8] are explicitly included below with small modification to reflect the terminology used in 3GPP.

3.1 Definitions

Implementation Conformance Statement (ICS): A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented.

ICS proforma: A document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Implementation eXtra Information for Testing (IXIT): A statement made by a supplier or implementer of an UEUT which contains or references all of the information (in addition to that given in the ICS) related to the UEUT and its testing environment, which will enable the test laboratory to run an appropriate test suite against the UEUT.

IXIT proforma: A document, in the form of a questionnaire, which when completed for an UEUT becomes an IXIT.

Protocol Implementation Conformance Statement (PICS): An ICS for an implementation or system claimed to conform to a given protocol specification.

Protocol Implementation eXtra Information for Testing (PIXIT): An IXIT related to testing for conformance to a given protocol specification.

static conformance review: A review of the extent to which the static conformance requirements are claimed to be supported by the UEUT, by comparing the answers in the ICS(s) with the static conformance requirements expressed in the relevant specification(s).

3.2 Symbols

No specific symbols have been identified so far.

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

A-GNSS	Assisted - Global Navigation Satellite System
A-GPS	Assisted - Global Positioning System
DUT	Device Under Test
E-CID	Enhanced Cell-ID (positioning method)
ENB	Evolved Node B
E-UTRA	Evolved UMTS Terrestrial Radio Access
E-UTRAN	Evolved UMTS Terrestrial Radio Access Network
FDD	Frequency Division Duplex
FFS	For Further Study
GLONASS	GLObal'naya NAvigatsionnaya Sputnikovaya Sistema (English: Global Navigation Satellite System)
GNSS	Global Navigation Satellite System
GPS	Global Positioning System

ICS	Implementation Conformance Statement
IXIT	Implementation eXtra Information for Testing
LPP	LTE Positioning Protocol
MO-LR	Mobile Originated Location Request
MT-LR	Mobile Terminated Location Request
OTDOA	Observed Time Difference Of Arrival
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
QZSS	Quasi-Zenith Satellite System
SBAS	Space Based Augmentation System
SCS	System Conformance Statement
TC	Test Case
UE	User Equipment
UEUT	User Equipment Under Test

4 Recommended Test Case Applicability

The applicability of each individual test is identified in Table 4-1 (UTRA) and 4.3 (E-UTRA) for test cases in TS 37.571-1 [5] and in Table 4-5 (UTRA) and 4.7 (E-UTRA) for test cases in TS 37.571-2 [6]. This is just a recommendation based on the purpose for which the test case was written.

The applicability of every test is formally expressed by the use of Boolean expression that are based on parameters (ICS) included in annex A of the present document.

Additional information related to the Test Case (TC), e.g. affecting its dynamic behaviour or its execution may be provided as well

The columns in Tables 4-1, 4.3, 4.5, and 4.7 have the following meaning:

Clause

The clause column indicates the clause number in TS 37.571-1 [5] and TS 37.571-2 [6] that contains the test body.

Title

The title column describes the name of the test and contains the clause title of the clause in TS 37.571-1 [5] and TS 37.571-2 [6] that contains the test body.

Release

The release column indicates the earliest release from which each the test case is applicable.

Applicability - Condition

The following notations are used for the applicability column:

R	recommended - the test case is recommended
O	optional – the test case is optional
N/A	not applicable - in the given context, the test case is not recommended.
Ci	conditional - the test is recommended ("R") or not ("N/A") depending on the support of other items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF ... THEN (IF ... THEN ... ELSE...) ELSE ..." is used to avoid ambiguities.

NOTE: The conditions are defined in Table 4-2, 4-4, 4-6, and 4-8.

Applicability - Comments

This column contains a verbal description of the condition.

Additional Information - Specific ICS

This column contains the mnemonics of ICS(s) affecting the dynamic behaviour of the TC.

Additional Information - Specific IXIT

This column contains the mnemonics of IXIT(s) affecting the dynamic behaviour of the TC.

Table 4-1: Applicability of tests and additional information for testing for test cases in TS 37.571-1 [5] for UTRA

Clause	Title	Release	Applicability	Comments
5.2.1	Sensitivity Course Time Assistance	Rel-6	C01	All UEs supporting FDD and UE-Based A-GPS L1 C/A only or UE-Assisted A-GPS L1 C/A only
5.2.2	Sensitivity Fine Time Assistance	Rel-6	C02	All UEs supporting FDD and UE-Based A-GPS L1 C/A only or UE-Assisted A-GPS L1 C/A only and Fine Time Assistance
5.3	Nominal Accuracy	Rel-6	C01	All UEs supporting FDD and UE-Based A-GPS L1 C/A only or UE-Assisted A-GPS L1 C/A only
5.4	Dynamic Range	Rel-6	C01	All UEs supporting FDD and UE-Based A-GPS L1 C/A only or UE-Assisted A-GPS L1 C/A only
5.5	Multi-path Performance	Rel-6	C01	All UEs supporting FDD and UE-Based A-GPS L1 C/A only or UE-Assisted A-GPS L1 C/A only
5.6	Moving Scenario and Periodic Update Performance	Rel-6	C01	All UEs supporting FDD and UE-Based A-GPS L1 C/A only or UE-Assisted A-GPS L1 C/A only
6.2.1-1	Sensitivity Course Time Assistance: Sub-Test 1	Rel-10	C03-1	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS only
6.2.1-2	Sensitivity Coarse Time Assistance: Sub-Test 2	Rel-10	C03-2	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo only
6.2.1-3	Sensitivity Coarse Time Assistance: Sub-Test 3	Rel-10	C03-3	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS only or UE-Assisted A-GPS and A-GANSS with Modernized GPS only
6.2.1-4	Sensitivity Coarse Time Assistance: Sub-Test 4	Rel-10	C03-4	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS only or UE-Assisted A-GPS and A-GANSS with GLONASS only
6.2.2-1	Sensitivity Fine Time Assistance: Sub-Test 1	Rel-10	C04-1	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS only and Fine Time Assistance
6.2.2-2	Sensitivity Fine Time Assistance: Sub-Test 2	Rel-10	C04-2	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo only and Fine Time Assistance
6.2.2-3	Sensitivity Fine Time Assistance: Sub-Test 3	Rel-10	C04-3	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS only or UE-Assisted A-GPS and A-GANSS with Modernized GPS only and Fine Time Assistance
6.2.2-4	Sensitivity Fine Time Assistance: Sub-Test 4	Rel-10	C04-4	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS only or UE-Assisted A-GPS and A-GANSS with GLONASS only and Fine Time Assistance
6.3-1	Nominal Accuracy: Sub-Test 1	Rel-10	C03-1	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS only
6.3-2	Nominal Accuracy: Sub-Test 2	Rel-10	C03-2	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo only
6.3-3	Nominal Accuracy: Sub-Test 3	Rel-10	C03-3	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS only or UE-Assisted A-GPS and A-GANSS with Modernized GPS only
6.3-4	Nominal Accuracy: Sub-Test 4	Rel-10	C03-4	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS only or UE-Assisted A-GPS and A-GANSS with GLONASS only
6.4-1	Dynamic Range: Sub-Test 1	Rel-10	C03-1	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS only

Clause	Title	Release	Applicability	Comments
6.4-2	Dynamic Range: Sub-Test 2	Rel-10	C03-2	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo only
6.4-3	Dynamic Range: Sub-Test 3	Rel-10	C03-3	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS only or UE-Assisted A-GPS and A-GANSS with Modernized GPS only
6.4-4	Dynamic Range: Sub-Test 4	Rel-10	C03-4	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS only or UE-Assisted A-GPS and A-GANSS with GLONASS only
6.5-1	Multi-path Performance: Sub-Test 1	Rel-10	C03-1	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS only
6.5-2	Multi- path Performance: Sub-Test 2	Rel-10	C03-2	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo only
6.5-3	Multi- path Performance: Sub-Test 3	Rel-10	C03-3	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS only or UE-Assisted A-GPS and A-GANSS with Modernized GPS only
6.5-4	Multi- path Performance: Sub-Test 4	Rel-10	C03-4	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS only or UE-Assisted A-GPS and A-GANSS with GLONASS only
6.6-1	Moving Scenario and Periodic Update Performance: Sub-Test 1	Rel-10	C03-1	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS only
6.6-2	Moving Scenario and Periodic Update Performance: Sub-Test 2	Rel-10	C03-2	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo only
6.6-3	Moving Scenario and Periodic Update Performance: Sub-Test 3	Rel-10	C03-3	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS only or UE-Assisted A-GPS and A-GANSS with Modernized GPS only
6.6-4	Moving Scenario and Periodic Update Performance: Sub-Test 4	Rel-10	C03-4	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS only or UE-Assisted A-GPS and A-GANSS with GLONASS only

Table 4-2: Applicability of tests Conditions for test cases in TS 37.571-1 [5] for UTRA

C01	IF A.4.1-1/3 AND (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C02	IF A.4.1-1/3 AND (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/12 THEN R ELSE N/A
C03-1	IF A.4.3-1/7 AND NOT (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C03-2	IF A.4.3-1/9 AND NOT (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C03-3	IF A.4.3-1/8 AND (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C03-4	IF A.4.3-1/7 AND (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C04-1	IF A.4.3-1/7 AND NOT (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/8 OR A.4.3-1/9) AND A.4.3-1/12 THEN R ELSE N/A
C04-2	IF A.4.3-1/9 AND NOT (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/7 OR A.4.3-1/8) AND A.4.3-1/12 THEN R ELSE N/A
C04-3	IF A.4.3-1/8 AND (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/7 OR A.4.3-1/9) AND A.4.3-1/12 THEN R ELSE N/A
C04-4	IF A.4.3-1/7 AND (A.4.3-1/10 OR A.4.3-1/11) AND NOT (A.4.3-1/8 OR A.4.3-1/9) AND A.4.3-1/12 THEN R ELSE N/A

Table 4-3: Applicability of tests and additional information for testing for test cases in TS 37.571-1 [5] for E-UTRA

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
7	**A-GNSS minimum performance requirements**					
7.1.1-1	Sensitivity Course Time Assistance: Sub-Test 1	Rel-9	C01	All UEs supporting A-GPS L1C/A only	xc_eFDD	
					xc_eTDD	
7.1.1-2	Sensitivity Course Time Assistance: Sub-Test 2	Rel-9	C02	All UEs supporting A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.1.1-3	Sensitivity Course Time Assistance: Sub-Test 3	Rel-9	C03	All UEs supporting A-Galileo only	xc_eFDD	
					xc_eTDD	
7.1.1-4	Sensitivity Course Time Assistance: Sub-Test 4	Rel-9	C04	All UEs supporting A-GPS and Modernized GPS only	xc_eFDD	
					xc_eTDD	
7.1.1-5	Sensitivity Course Time Assistance: Sub-Test 5	Rel-9	C05	All UEs supporting A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.1.2-1	Sensitivity Fine Time Assistance: Sub-Test 1	Rel-9	C06	All UEs supporting A-GPS L1C/A only, and Fine Time Assistance	xc_eFDD	
					xc_eTDD	
7.1.2-2	Sensitivity Fine Time Assistance: Sub-Test 2	Rel-9	C07	All UEs supporting A-GLONASS only, and Fine Time Assistance	xc_eFDD	
					xc_eTDD	
7.1.2-3	Sensitivity Fine Time Assistance: Sub-Test 3	Rel-9	C08	All UEs supporting A-Galileo only, and Fine Time Assistance	xc_eFDD	
					xc_eTDD	
7.1.2-4	Sensitivity Fine Time Assistance: Sub-Test 4	Rel-9	C09	All UEs supporting A-GPS and Modernized GPS only, and Fine Time Assistance	xc_eFDD	
					xc_eTDD	
7.1.2-5	Sensitivity Fine Time Assistance: Sub-Test 5	Rel-9	C10	All UEs supporting A-GPS and A-GLONASS only, and Fine Time Assistance	xc_eFDD	
					xc_eTDD	
7.2-1	Nominal Accuracy: Sub-Test 1	Rel-9	C01	All UEs supporting A-GPS L1C/A only	xc_eFDD	
					xc_eTDD	
7.2-2	Nominal Accuracy: Sub-Test 2	Rel-9	C02	All UEs supporting A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.2-3	Nominal Accuracy: Sub-Test 3	Rel-9	C03	All UEs supporting A-Galileo only	xc_eFDD	
					xc_eTDD	
7.2-4	Nominal Accuracy: Sub-Test 4	Rel-9	C04	All UEs supporting A-GPS and Modernized GPS only	xc_eFDD	
					xc_eTDD	
7.2-5	Nominal Accuracy: Sub-Test 5	Rel-9	C05	All UEs supporting A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3-1	Dynamic Range: Sub-Test 1	Rel-9	C01	All UEs supporting A-GPS L1C/A only	xc_eFDD	
					xc_eTDD	
7.3-2	Dynamic Range: Sub-Test 2	Rel-9	C02	All UEs supporting A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3-3	Dynamic Range: Sub-Test 3	Rel-9	C03	All UEs supporting A-Galileo only	xc_eFDD	
					xc_eTDD	
7.3-4	Dynamic Range: Sub-Test 4	Rel-9	C04	All UEs supporting A-GPS and Modernized GPS only	xc_eFDD	
					xc_eTDD	
7.3-5	Dynamic Range: Sub-Test 5	Rel-9	C05	All UEs supporting A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.4-1	Multi-path scenario: Sub-Test 1	Rel-9	C01	All UEs supporting A-GPS	xc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				L1C/A only	xc_eTDD	
7.4-2	Multi-path scenario: Sub-Test 2	Rel-9	C02	All UEs supporting A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.4-3	Multi-path scenario: Sub-Test 3	Rel-9	C03	All UEs supporting A-Galileo only	xc_eFDD	
					xc_eTDD	
7.4-4	Multi-path scenario: Sub-Test 4	Rel-9	C04	All UEs supporting A-GPS and Modernized GPS only	xc_eFDD	
					xc_eTDD	
7.4-5	Multi-path scenario: Sub-Test 5	Rel-9	C05	All UEs supporting A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.5-1	Moving scenario and periodic update: Sub-Test 1	Rel-9	C01	All UEs supporting A-GPS L1C/A only	xc_eFDD	
					xc_eTDD	
7.5-2	Moving scenario and periodic update: Sub-Test 2	Rel-9	C02	All UEs supporting A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.5-3	Moving scenario and periodic update: Sub-Test 3	Rel-9	C03	All UEs supporting A-Galileo only	xc_eFDD	
					xc_eTDD	
7.5-4	Moving scenario and periodic update: Sub-Test 4	Rel-9	C04	All UEs supporting A-GPS and Modernized GPS only	xc_eFDD	
					xc_eTDD	
7.5-5	Moving scenario and periodic update: Sub-Test 5	Rel-9	C05	All UEs supporting A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
8	**E-CID measurement requirements**					
8.1.1	FDD UE Rx-Tx time difference case	Rel-9	C11	All FDD UEs supporting E-CID with Rx-Tx time difference	xc_eFDD	
8.1.2	TDD UE Rx-Tx time difference case	Rel-9	C12	All TDD UEs supporting E-CID with Rx-Tx time difference	xc_eTDD	
9	**OTDOA measurement requirements**					
9.1.1	FDD RSTD Measurement Reporting Delay	Rel-9	C13	All FDD UEs supporting UE-assisted OTDOA	xc_eFDD	
9.1.2	TDD RSTD Measurement Reporting Delay	Rel-9	C14	All TDD UEs supporting UE-assisted OTDOA	xc_eTDD	
9.1.3	FDD RSTD Measurement Accuracy	Rel-9	C13	All FDD UEs supporting UE-assisted OTDOA	xc_eFDD	
9.1.4	TDD RSTD Measurement Accuracy	Rel-9	C14	All TDD UEs supporting UE-assisted OTDOA	xc_eTDD	
10	**OTDOA measurement requirements for Carrier Aggregation**					
10.1	FDD RSTD Measurement Reporting Delay for Carrier Aggregation	Rel-10	C15	All FDD UEs supporting UE-assisted OTDOA for Carrier Aggregation	pc_eFDD	
10.2	TDD RSTD Measurement Reporting Delay for Carrier Aggregation	Rel-10	C16	All TDD UEs supporting UE-assisted OTDOA for Carrier Aggregation	pc_eTDD	
10.3	FDD RSTD Measurement Accuracy for Carrier Aggregation	Rel-10	C15	All FDD UEs supporting UE-assisted OTDOA for Carrier Aggregation	pc_eFDD	
10.4	TDD RSTD Measurement Accuracy for Carrier Aggregation	Rel-10	C16	All TDD UEs supporting UE-assisted OTDOA for Carrier Aggregation	pc_eTDD	

Table 4-4: Applicability of tests Conditions for test cases in TS 37.571-1 [5] for E-UTRA

C01	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/6 AND NOT (A.4.3-2/7 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C02	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C03	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) THEN R ELSE N/A
C04	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/8 AND NOT (A.4.3-2/7 OR A.4.3-2/9) THEN R ELSE N/A
C05	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/6 AND A.4.3-2/7 AND NOT (A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C06	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/6 AND NOT (A.4.3-2/7 OR A.4.3-2/8 OR A.4.3-2/9) AND A.4.3-2/3 THEN R ELSE N/A
C07	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) AND A.4.3-2/3 THEN R ELSE N/A
C08	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) AND A.4.3-2/3 THEN R ELSE N/A
C09	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/8 AND NOT (A.4.3-2/7 OR A.4.3-2/9) AND A.4.3-2/3 THEN R ELSE N/A
C10	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3.1-1/2) AND A.4.3-2/6 AND A.4.3-2/7 AND NOT (A.4.3-2/8 OR A.4.3-2/9) AND A.4.3-2/3 THEN R ELSE N/A
C11	IF A.4.1-1/1 AND A.4.3-2/5 AND A.4.3-4/3 THEN R ELSE N/A
C12	IF A.4.1-1/2 AND A.4.3-2/5 AND A.4.3-4/3 THEN R ELSE N/A
C13	IF A.4.1-1/1 AND A.4.3-2/4 THEN R ELSE N/A
C14	IF A.4.1-1/2 AND A.4.3-2/4 THEN R ELSE N/A
C15	IF A.4.1-1/1 AND A.4.3-2/15 THEN R ELSE N/A
C16	IF A.4.1-1/2 AND A.4.3-2/15 THEN R ELSE N/A

Table 4-5: Applicability of tests and additional information for testing for test cases in TS 37.571-2 [6] for UTRA

Clause	Title	Release	Applicability	Comments	Number of TC Executions (informative)
6.1.1.1	LCS Network Induced location request/ UE-Based GPS/ Emergency Call / with USIM	R99	C01u	UEs supporting FDD, emergency speech call and UE based Network Assisted GPS L1 C/A only	1 Execution: CS
6.1.1.2	LCS Network induced location request/ UE-Based GPS/ Emergency call/ Without USIM	R99	C01u	UEs supporting FDD, emergency speech call and UE based Network Assisted GPS L1 C/A only	1 Execution: CS
6.1.1.3	LCS Network induced location request/ UE-Assisted GPS/ Emergency call/ With USIM	R99	C03u	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GPS L1 C/A only	1 Execution: CS
6.1.1.4	LCS Network induced location request/ UE-Assisted GPS/ Emergency call/ Without USIM	R99	C03u	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GPS L1 C/A only	1 Execution: CS
6.1.2.1	LCS Mobile originated location request/ UE-Based GPS/ Position estimate request/ Success	R99	C09u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MO-LR request for a position estimate	1 Execution: CS
6.1.2.2	LCS Mobile originated location request UE-Based or UE-Assisted GPS / Assistance data request/ Success	R99	C05u	UEs supporting FDD and (UE based or UE assisted Network Assisted GPS L1 C/A only) and MO-LR request for assistance data	1 Execution: CS
6.1.2.3	LCS Mobile originated location request/ UE-Assisted GPS/ Position Estimate/ Success	R99	C10u	UEs supporting FDD and UE assisted Network Assisted GPS L1 C/A only and MO-LR request for a position estimate	1 Execution: CS
6.1.2.4	LCS Mobile originated location request/ UE-Based GPS/ Transfer to third party/ Success	R99	C07u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MO-LR request for transfer to 3rd party	1 Execution: CS
6.1.2.5	LCS Mobile originated location request/ UE-Assisted GPS/ Transfer to third party/ Success	R99	C08u	UEs supporting FDD and UE assisted Network Assisted GPS L1 C/A only and MO-LR request for transfer to 3rd party	1 Execution: CS
6.1.2.6	LCS Mobile originated location request/ UE-Based or UE-Assisted GPS/ Assistance data request/ Failure	R99	C05u	UEs supporting FDD and (either UE based or UE assisted Network Assisted GPS L1 C/A only) and MO-LR request for assistance data	1 Execution: CS
6.1.2.7	LCS Mobile originated location request/ UE-Based GPS/ Position estimate request/ Failure	R99	C09u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MO-LR request for position estimate	1 Execution: CS
6.1.3.1	LCS Mobile terminated location request/ UE-Based GPS	R99	C02u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.2	LCS Mobile terminated location request/ UE-Based GPS/ Request of additional assistance data/ Success	R99	C02u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.3	LCS Mobile-terminated location request/ UE-Based GPS/ Failure – Not Enough Satellites	R99	C02u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.4	LCS Mobile terminated location request/ UE-Assisted GPS/Success	R99	C04u	UEs supporting FDD and UE assisted Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.5	LCS Mobile terminated location request/ UE-Assisted GPS/ Request for additional assistance data/ Success	R99	C04u	UEs supporting FDD and UE assisted Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.6	LCS Mobile terminated location request/ UE-Based GPS/ Privacy Verification/ Location Allowed if No Response	R99	C02u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS

Clause	Title	Release	Applicability	Comments	Number of TC Executions (informative)
6.1.3.7	LCS Mobile terminated location request/ UE-Based GPS/ Privacy Verification/ Location Not Allowed if No Response	R99	C02u	UEs supporting FDD and UE based Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.8	LCS Mobile terminated location request/ UE-Assisted GPS/ Privacy Verification/ Location Allowed if No Response	R99	C04u	UEs supporting FDD and UE assisted Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.9	LCS Mobile terminated location request/ UE-Assisted GPS/ Privacy Verification/ Location Not Allowed if No Response	R99	C04u	UEs supporting FDD and UE assisted Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability	1 Execution: CS
6.1.3.10	LCS Mobile terminated location request/ UE-Based or UE-Assisted GPS/ Configuration incomplete	R99	C06u	UEs supporting FDD and UE based and/or UE assisted Network Assisted GPS L1 C/A only and MT-LR LCS location request notification capability, but not UE-based OTDOA	1 Execution: CS
6.2.1.1_1s	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 1	Rel-8	C11u	UEs supporting FDD, emergency speech call and UE based Network Assisted GANSS with GLONASS only	1 Execution: CS
6.2.1.1_2s	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 2	Rel-8	C22u	UEs supporting FDD, emergency speech call and UE based Network Assisted GANSS with Galileo only	1 Execution: CS
6.2.1.1_3s	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 3	Rel-8	C13u	UEs supporting FDD, emergency speech call and UE based Network Assisted GPS and GANSS with Modernized GPS only	1 Execution: CS
6.2.1.1_4s	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 4	Rel-8	C14u	UEs supporting FDD, emergency speech call and UE based Network Assisted GPS and GANSS with GLONASS only	1 Execution: CS
6.2.1.2_1s	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 1	Rel-8	C15u	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GANSS with GLONASS only	1 Execution: CS
6.2.1.2_2s	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 2	Rel-8	C16u	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GANSS with Galileo only	1 Execution: CS
6.2.1.2_3s	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 3	Rel-8	C17u	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GPS and GANSS with Modernized GPS only	1 Execution: CS
6.2.1.2_4s	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 4	Rel-8	C18u	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GPS and GANSS with GLONASS only	1 Execution: CS
6.2.2.1_1s	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 1	Rel-8	C19u	UEs supporting FDD and UE based Network Assisted GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.1_2s	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 2	Rel-8	C20u	UEs supporting FDD and UE based Network Assisted GANSS with Galileo only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.1_3s	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 3	Rel-8	C21u	UEs supporting FDD and UE based Network Assisted GPS and GANSS with Modernized GPS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.1_4s	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 4	Rel-8	C22u	UEs supporting FDD and UE based Network Assisted GPS and GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS

Clause	Title	Release	Applicability	Comments	Number of TC Executions (informative)
6.2.2.2_1s	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 1	Rel-8	C23u	UEs supporting FDD and UE assisted Network Assisted GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.2_2s	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 2	Rel-8	C24u	UEs supporting FDD and UE assisted Network Assisted GANSS with Galileo only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.2_3s	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 3	Rel-8	C25u	UEs supporting FDD and UE assisted Network Assisted GPS and GANSS with Modernized GPS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.2_4s	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 4	Rel-8	C26u	UEs supporting FDD and UE assisted Network Assisted GPS and GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.3_1s	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 1	Rel-8	C19u	UEs supporting FDD and UE based Network Assisted GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.3_2s	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 2	Rel-8	C20u	UEs supporting FDD and UE based Network Assisted GANSS with Galileo only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.3_3s	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 3	Rel-8	C21u	UEs supporting FDD and UE based Network Assisted GPS and GANSS with Modernized GPS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.3_4s	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 4	Rel-8	C22u	UEs supporting FDD and UE based Network Assisted GPS and GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.4_1s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 1	Rel-8	C27u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with GLONASS only and MO-LR request for assistance data	1 Execution: CS
6.2.2.4_2s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 2	Rel-8	C28u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with Galileo only and MO-LR request for assistance data	1 Execution: CS
6.2.2.4_3s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 3	Rel-8	C29u	UEs supporting FDD and ((UE assisted Network Assisted GPS and GANSS) or (UE based Network Assisted GPS and GANSS)) with Modernized GPS only and MO-LR request for assistance data	1 Execution: CS
6.2.2.4_4s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 4	Rel-8	C30u	UEs supporting FDD and ((UE assisted Network Assisted GPS and GANSS) or (UE based Network Assisted GPS and GANSS)) with GLONASS only and MO-LR request for assistance data	1 Execution: CS
6.2.2.5_1s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 1	Rel-8	C27u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with GLONASS only and MO-LR request for assistance data	1 Execution: CS
6.2.2.5_2s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 2	Rel-8	C28u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with Galileo only and MO-LR request for assistance data	1 Execution: CS

Clause	Title	Release	Applicability	Comments	Number of TC Executions (informative)
6.2.2.5_3s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 3	Rel-8	C29u	UEs supporting FDD and ((UE assisted Network Assisted GPS and GANSS) or (UE based Network Assisted GPS and GANSS)) with Modernized GPS only and MO-LR request for assistance data	1 Execution: CS
6.2.2.5_4s	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 4	Rel-8	C30u	UEs supporting FDD and ((UE assisted Network Assisted GPS and GANSS) or (UE based Network Assisted GPS and GANSS)) with GLONASS only and MO-LR request for assistance data	1 Execution: CS
6.2.3.1_1s	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 1	Rel-8	C35u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with GLONASS only	1 Execution: CS
6.2.3.1_2s	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 2	Rel-8	C36u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with Galileo only	1 Execution: CS
6.2.3.1_3s	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 3	Rel-8	C37u	UEs supporting FDD and ((UE assisted Network Assisted GPS and GANSS) or (UE based Network Assisted GPS and GANSS)) with Modernized GPS only	1 Execution: CS
6.2.3.1_4s	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 4	Rel-8	C38u	UEs supporting FDD and ((UE assisted Network Assisted GPS and GANSS) or (UE based Network Assisted GPS and GANSS)) with GLONASS only	1 Execution: CS
6.2.3.2_1s	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 1	Rel-8	C31u	UEs supporting FDD and UE based Network Assisted GANSS with GLONASS only	1 Execution: CS
6.2.3.2_2s	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 2	Rel-8	C32u	UEs supporting FDD and UE based Network Assisted GANSS with Galileo only	1 Execution: CS
6.2.3.2_3s	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 3	Rel-8	C33u	UEs supporting FDD and UE based Network Assisted GPS and GANSS with Modernized GPS only	1 Execution: CS
6.2.3.2_4s	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 4	Rel-8	C34u	UEs supporting FDD and UE based Network Assisted GPS and GANSS with GLONASS only	1 Execution: CS
6.2.3.3	Location Notification	Rel-8	C39u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) and MT-LR LCS location request notification capability	1 Execution: CS
6.2.3.4	Privacy Verification - Location Allowed if No Response	Rel-8	C39u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) and MT-LR LCS location request notification capability	1 Execution: CS
6.2.3.5	Privacy Verification - Location Not Allowed if No Response	Rel-8	C39u	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) and MT-LR LCS location request notification capability	1 Execution: CS

Table 4-6: Applicability of tests Conditions for test cases in TS 37.571-2 [6] for UTRA

C01u IF A.4.1-1/3 AND A.4.1-2/1 AND A.4.3-1/10 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C02u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-3/8 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C03u IF A.4.1-1/3 AND A.4.1-2/1 AND A.4.3-1/11 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C04u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-3/8 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C05u IF A.4.1-1/3 AND (A.4.3-1/10 OR A.4.3-1/11) AND A.4.3-3/5 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C06u IF A.4.1-1/3 AND (A.4.3-1/10 OR A.4.3-1/11) AND A.4.3-3/8 AND (NOT A.4.3-1/3) AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C07u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-3/7 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C08u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-3/7 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C09u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-3/6 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C10u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-3/6 AND NOT (A.4.3-1/5 OR A.4.3-1/6) THEN R ELSE N/A
C11u IF A.4.1-1/3 AND A.4.3-1/5 AND A.4.3-1/7 AND NOT (A.4.3-1/10 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C12u IF A.4.1-1/3 AND A.4.3-1/5 AND A.4.3-1/9 AND NOT (A.4.3-1/10 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C13u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-1/5 AND A.4.3-1/8 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C14u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-1/5 AND A.4.3-1/7 AND NOT A.4.3-1/9 THEN R ELSE N/A
C15u IF A.4.1-1/3 AND A.4.3-1/6 AND A.4.3-1/7 AND NOT (A.4.3-1/11 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C16u IF A.4.1-1/3 AND A.4.3-1/6 AND A.4.3-1/9 AND NOT (A.4.3-1/11 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C17u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-1/6 AND A.4.3-1/8 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C18u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-1/6 AND A.4.3-1/7 AND NOT A.4.3-1/9 THEN R ELSE N/A
C19u IF A.4.1-1/3 AND A.4.3-1/5 AND A.4.3-1/7 AND A.4.3-3/6 AND NOT (A.4.3-1/10 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C20u IF A.4.1-1/3 AND A.4.3-1/5 AND A.4.3-1/9 AND A.4.3-3/6 AND NOT (A.4.3-1/10 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C21u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-1/5 AND A.4.3-1/8 AND A.4.3-3/6 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C22u IF A.4.1-1/3 AND A.4.3-1/10 AND A.4.3-1/5 AND A.4.3-1/7 AND A.4.3-3/6 AND NOT A.4.3-1/9 THEN R ELSE N/A
C23u IF A.4.1-1/3 AND A.4.3-1/6 AND A.4.3-1/7 AND A.4.3-3/6 AND NOT (A.4.3-1/11 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C24u IF A.4.1-1/3 AND A.4.3-1/6 AND A.4.3-1/9 AND A.4.3-3/6 AND NOT (A.4.3-1/11 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C25u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-1/6 AND A.4.3-1/8 AND A.4.3-3/6 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C26u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-1/6 AND A.4.3-1/7 AND A.4.3-3/6 AND NOT A.4.3-1/9 THEN R ELSE N/A
C27u IF A.4.1-1/3 AND (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/7 AND A.4.3-3/5 AND NOT (A.4.3-1/11 OR A.4.3-1/10 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C28u IF A.4.1-1/3 AND (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/9 AND A.4.3-3/5 AND NOT (A.4.3-1/11 OR A.4.3-1/10 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C29u IF A.4.1-1/3 AND ((A.4.3-1/5 AND A.4.3-1/10) OR (A.4.3-1/6 AND A.4.3-1/11)) AND A.4.3-1/9 AND A.4.3-3/5 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C30u IF A.4.1-1/3 AND ((A.4.3-1/5 AND A.4.3-1/10) OR (A.4.3-1/6 AND A.4.3-1/11)) AND A.4.3-1/7 AND A.4.3-3/5 AND NOT A.4.3-1/9 THEN R ELSE N/A
C31u IF A.4.1-1/3 AND A.4.3-1/6 AND A.4.3-1/7 AND NOT (A.4.3-1/11 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C32u IF A.4.1-1/3 AND A.4.3-1/6 AND A.4.3-1/9 AND NOT (A.4.3-1/11 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C33u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-1/6 AND A.4.3-1/8 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C34u IF A.4.1-1/3 AND A.4.3-1/11 AND A.4.3-1/6 AND A.4.3-1/7 AND NOT A.4.3-1/9 THEN R ELSE N/A
C35u IF A.4.1-1/3 AND (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/7 AND NOT (A.4.3-1/11 OR A.4.3-1/10 OR A.4.3-1/8 OR A.4.3-1/9) THEN R ELSE N/A
C36u IF A.4.1-1/3 AND (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/9 AND NOT (A.4.3-1/11 OR A.4.3-1/10 OR A.4.3-1/7 OR A.4.3-1/8) THEN R ELSE N/A
C37u IF A.4.1-1/3 AND ((A.4.3-1/5 AND A.4.3-1/10) OR (A.4.3-1/6 AND A.4.3-1/11)) AND A.4.3-1/9 AND NOT (A.4.3-1/7 OR A.4.3-1/9) THEN R ELSE N/A
C38u IF A.4.1-1/3 AND ((A.4.3-1/5 AND A.4.3-1/10) OR (A.4.3-1/6 AND A.4.3-1/11)) AND A.4.3-1/7 AND NOT A.4.3-1/9 THEN R ELSE N/A
C39u IF A.4.1-1/3 AND (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-3/8 THEN R ELSE N/A

Table 4-7: Applicability of tests and additional information for testing for test cases in TS 37.571-2 [6] for E-UTRA

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
7.1	**NAS Protocol Procedures**					
7.1.1	UE Network Capability	Rel-9	C11e	All UEs supporting LPP	pc_eFDD	
					pc_eTDD	
7.2	**LCS Procedures**					
7.2.1.1	Location Notification	Rel-9	C14e	All UEs supporting EPC-MT-LR Location Notification	pc_eFDD	
					pc_eTDD	
7.2.1.2	Privacy Verification – Location Allowed if no Response	Rel-9	C14e	All UEs supporting EPC-MT-LR Location Notification	pc_eFDD	px_UeLcsNotification: value for UE LCS Notification timeout timer.
					pc_eTDD	
7.2.1.3	Privacy Verification – Location not Allowed if No Response	Rel-9	C14e	All UEs supporting EPC-MT-LR Location Notification	pc_eFDD	px_UeLcsNotification: value for UE LCS Notification timeout timer.
					pc_eTDD	
7.2.2.1_1s	Autonomous Self Location: UE-based: Subtest 1	Rel-9	C01e	All UEs supporting UE-Based GNSS with A-GPS only and MO-LR request for assistance data	pc_eFDD	
					pc_eTDD	
7.2.2.1_2s	Autonomous Self Location: UE-based: Subtest 2	Rel-9	C02e	All UEs supporting UE-Based GNSS with A-GLONASS only and MO-LR request for assistance data	pc_eFDD	
					pc_eTDD	
7.2.2.1_3s	Autonomous Self Location: UE-based: Sub-test 3	Rel-9	C03e	All UEs supporting UE-Based GNSS with A-Galileo only and MO-LR request for assistance data	pc_eFDD	
					pc_eTDD	
7.2.2.1_4s	Autonomous Self Location: UE-based: Subtest 4	Rel-9	C04e	All UEs supporting UE-Based GNSS with A-GPS and A-GLONASS only and MO-LR request for assistance data	pc_eFDD	
					pc_eTDD	
7.2.2.2_1s	Basic Self Location: UE-assisted: Subtest 1	Rel-9	C05e	All UEs supporting UE-Assisted GNSS with A-GPS only and MO-LR request for location estimate	pc_eFDD	
					pc_eTDD	
7.2.2.2_2s	Basic Self Location: UE-assisted: Subtest 2	Rel-9	C06e	All UEs supporting UE-Assisted GNSS with A-GLONASS only and MO-LR request for location estimate	pc_eFDD	
					pc_eTDD	
7.2.2.2_3s	Basic Self Location: UE-assisted: Subtest 3	Rel-9	C07e	All UEs supporting UE-Assisted GNSS with A-Galileo only and MO-LR request for location estimate	pc_eFDD	
					pc_eTDD	
7.2.2.2_4s	Basic Self Location: UE-assisted: Subtest 4	Rel-9	C08e	All UEs supporting UE-Assisted GNSS with A-GPS and A-GLONASS only and MO-LR request for location estimate	pc_eFDD	
					pc_eTDD	
7.2.2.2_5s	Basic Self Location: UE-assisted: Subtest 5	Rel-9	C09e	All UEs supporting	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				UE-Assisted OTDOA and MO-LR request for location estimate	pc_eTDD	
7.2.2.2_6s	Basic Self Location: UE-assisted: Subtest 6	Rel-9	C10e	All UEs supporting UE-Assisted ECID and MO-LR request for location estimate	pc_eFDD pc_eTDD	
7.3	**LPP Procedures**					
7.3.1.1	Position Capability Transfer	Rel-9	C11e	All UEs supporting LPP	pc_eFDD pc_eTDD	
7.3.2.1	LPP Duplicated Message	Rel-9	C11e	All UEs supporting LPP	pc_eFDD pc_eTDD	
7.3.2.2	LPP Acknowledgment	Rel-9	C11e	All UEs supporting LPP	pc_eFDD pc_eTDD	
7.3.2.3	LPP Retransmission	Rel-9	C11e	All UEs supporting LPP	pc_eFDD pc_eTDD	
7.3.3.1_1s	LPP Requested Method not Supported– UE-Assisted: Subtest 1	Rel-9	C15e	All UEs supporting UE-assisted GNSS with GPS, either alone or with UE-assisted OTDOA or UE-assisted ECID.	pc_eFDD pc_eTDD	
7.3.3.1_2s	LPP Requested Method not Supported – UE-Assisted: Subtest 2	Rel-9	C16e	All UEs supporting UE-assisted GNSS with GLONASS, either alone or with UE-assisted OTDOA or UE-assisted ECID.	pc_eFDD pc_eTDD	
7.3.3.1_3s	LPP Requested Method not Supported – UE-Assisted: Subtest 3	Rel-9	C17e	All UEs supporting UE-assisted GNSS with Galileo, either alone or with UE-assisted OTDOA or UE-assisted ECID.	pc_eFDD pc_eTDD	
7.3.3.1_4s	LPP Requested Method not Supported – UE-Assisted: Subtest 4	Rel-9	C18e	All UEs supporting UE-assisted GNSS with GPS and GLONASS, either alone or with UE-assisted OTDOA or UE-assisted ECID.	pc_eFDD pc_eTDD	
7.3.3.1_5s	LPP Requested Method not Supported – UE-Assisted: Subtest 5	Rel-9	C19e	All UEs supporting UE-assisted OTDOA, either alone or with UE-assisted GNSS or UE-assisted ECID.	pc_eFDD pc_eTDD	
7.3.3.1_6s	LPP Requested Method not Supported – UE-Assisted: Subtest 6	Rel-9	C20e	All UEs supporting UE-assisted ECID, either alone or with UE-assisted GNSS or UE-assisted OTDOA.	pc_eFDD pc_eTDD	
7.3.3.1_7s	LPP Requested Method not Supported – UE-Assisted: Subtest 7	Rel-9	C21e	All UEs supporting UE-assisted GNSS and UE-assisted OTDOA	pc_eFDD pc_eTDD	
7.3.4.1_1s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Based: Subtest 1	Rel-9	C28e	All UEs supporting UE-based GNSS with A-GPS only	pc_eFDD pc_eTDD	
7.3.4.1_2s	E-SMLC Initiated Assistance Data Delivery followed by	Rel-9	C29e	All UEs supporting UE-based	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	Location Information Transfer: UE-Based: Subtest 2			GNSS with A-GLONASS only	pc_eTDD	
7.3.4.1_3s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Based: Subtest 3	Rel-9	C30e	All UEs supporting UE-based GNSS with A-Galileo only	pc_eFDD	
					pc_eTDD	
7.3.4.1_4s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Based: Subtest 4	Rel-9	C31e	All UEs supporting UE-based GNSS with A-GPS and A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.2_1s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 1	Rel-9	C32e	All UEs supporting UE-assisted GNSS with A-GPS only	pc_eFDD	
					pc_eTDD	
7.3.4.2_2s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 2	Rel-9	C33e	All UEs supporting UE-assisted GNSS with A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.2_3s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 3	Rel-9	C34e	All UEs supporting UE-assisted GNSS with A-Galileo only	pc_eFDD	
					pc_eTDD	
7.3.4.2_4s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 4	Rel-9	C35e	All UEs supporting UE-assisted GNSS with A-GPS and A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.2_5s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 5	Rel-9	C26e	All UEs supporting UE-Assisted OTDOA	pc_eFDD	
					pc_eTDD	
7.3.4.2_6s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 6	Rel-9	C27e	All UEs supporting UE-Assisted ECID	pc_eFDD	
					pc_eTDD	
7.3.4.2_7s	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Subtest 7	Rel-9	C21e	All UEs supporting UE-assisted GNSS and UE-assisted OTDOA	pc_eFDD	
					pc_eTDD	
7.3.4.3_1s	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Subtest 1	Rel-9	C28e	All UEs supporting UE-based GNSS with A-GPS only	pc_eFDD	
					pc_eTDD	
7.3.4.3_2s	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Subtest 2	Rel-9	C29e	All UEs supporting UE-based GNSS with A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.3_3s	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Subtest 3	Rel-9	C30e	All UEs supporting UE-based GNSS with A-Galileo only	pc_eFDD	
					pc_eTDD	
7.3.4.3_4s	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Subtest 4	Rel-9	C31e	All UEs supporting UE-based GNSS with A-GPS and A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.4_1s	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Subtest 1	Rel-9	C32e	All UEs supporting UE-assisted GNSS with A-GPS only	pc_eFDD	
					pc_eTDD	
7.3.4.4_2s	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Subtest 2	Rel-9	C33e	All UEs supporting UE-assisted GNSS with A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.4_3s	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Subtest 3	Rel-9	C34e	All UEs supporting UE-assisted GNSS with A-Galileo only	pc_epc_eFDD	
					pc_eTDD	
7.3.4.4_4s	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Subtest 4	Rel-9	C35e	All UEs supporting UE-assisted GNSS with A-GPS and A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.4.4_5s	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Subtest 5	Rel-9	C26e	All UEs supporting UE-Assisted OTDOA	pc_eFDD	
					pc_eTDD	
7.3.4.4_7s	E-SMLC Initiated Position Measurement without	Rel-9	C21e	All UEs supporting UE-	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	assistance data: UE-Assisted: Subtest 7			assisted GNSS and UE-assisted OTDOA	pc_eTDD	
7.3.5.1_1s	E-SMLC initiated Abort: Subtest 1	Rel-9	C22e	All UEs supporting UE-based or UE-assisted GNSS with A-GPS only	pc_eFDD	
					pc_eTDD	
7.3.5.1_2s	E-SMLC initiated Abort: Subtest 2	Rel-9	C23e	All UEs supporting UE-based or UE-assisted GNSS with A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.5.1_3s	E-SMLC initiated Abort: Subtest 3	Rel-9	C24e	All UEs supporting UE-based or UE-assisted GNSS with A-Galileo only	pc_eFDD	
					pc_eTDD	
7.3.5.1_4s	E-SMLC initiated Abort: Subtest 4	Rel-9	C25e	All UEs supporting UE-based or UE-assisted GNSS with A-GPS and A-GLONASS only	pc_eFDD	
					pc_eTDD	
7.3.5.1_5s	E-SMLC initiated Abort: Subtest 5	Rel-9	C26e	All UEs supporting UE Assisted OTDOA	pc_eFDD	
					pc_eTDD	
7.3.5.1_6s	E-SMLC initiated Abort: Subtest 6	Rel-9	C27e	All UEs supporting UE Assisted ECID	pc_eFDD	
					pc_eTDD	
7.4	**Circuit Switched (CS) Fallback**					
7.4.1.1	CS fallback: Network does not support EPC-MO-LR	Rel-9	C12e	All UEs supporting MO-LR procedure for location estimate in the CS fallback in EPS.	pc_eFDD	
					pc_eTDD	
7.4.1.2	CS fallback: UE does not support EPC-MO-LR	Rel-9	C13e	All UEs not supporting EPC-MO-LR and supporting MO-LR procedure for location estimate in the CS fallback in EPS.	pc_eFDD	
					pc_eTDD	

Table 4-8: Applicability of tests Conditions for test cases in TS 37.571-2 [6] for E-UTRA

C01e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND A.4.3-3/1 AND (A.4.3-2/6 OR A.4.3-2/8) AND NOT (A.4.3-2/7 OR A.4.3-2/9) THEN R ELSE N/A
C02e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND A.4.3-3/1 AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C03e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND A.4.3-3/1 AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) THEN R ELSE N/A
C04e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND A.4.3-3/1 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7 AND NOT A.4.3-2/9) THEN R ELSE N/A
C05e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-3/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND NOT (A.4.3-2/7 OR A.4.3-2/9) THEN R ELSE N/A
C06e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-3/2 AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C07e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-3/2 AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) THEN R ELSE N/A
C08e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-3/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7 AND NOT A.4.3-2/9) THEN R ELSE N/A
C09e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/4 AND A.4.3-3/2 THEN R ELSE N/A
C10e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/5 AND A.4.3-3/2 THEN R ELSE N/A
C11e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.2-1/1 THEN R ELSE N/A
C12e	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.1-1/3 OR A.4.1.-1/4) AND A.4.3-3/4 THEN R ELSE N/A
C13e	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.1-1/3 OR A.4.1.-1/4) AND A.4.3-3/4 AND NOT (A.4.3-2/1 AND A.4.3-2/2) THEN R ELSE N/A
C14e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-3/3 THEN R ELSE N/A
C15e	IF (A.4.1-1/1 OR A.4.1-1/2) AND [(A.4.3.2/2 AND (A.4.3-2/6 OR A.4.3-2/8)) OR ((A.4.3.2/2 AND (A.4.3-2/6 OR A.4.3-2/8)) AND A.4.3-2/4) OR ((A.4.3.2/2 AND (A.4.3-2/6 OR A.4.3-2/8)) AND A.4.3-2/5)] THEN R ELSE N/A
C16e	IF (A.4.1-1/1 OR A.4.1-1/2) AND [(A.4.3.2/2 AND A.4.3-2/7) OR (A.4.3.2/2 AND A.4.3-2/7 AND A.4.3-2/4) OR (A.4.3.2/2 AND A.4.3-2/7 AND A.4.3-2/5)] THEN R ELSE N/A
C17e	IF (A.4.1-1/1 OR A.4.1-1/2) AND [(A.4.3.2/2 AND A.4.3-2/9) OR (A.4.3.2/2 AND A.4.3-2/9 AND A.4.3-2/4) OR (A.4.3.2/2 AND A.4.3-2/9 AND A.4.3-2/5)] THEN R ELSE N/A
C18e	IF (A.4.1-1/1 OR A.4.1-1/2) AND [(A.4.3.2/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7) OR ((A.4.3.2/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7) AND A.4.3-2/4) OR ((A.4.3.2/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7) AND A.4.3-2/5)] THEN R ELSE N/A
C19e	IF (A.4.1-1/1 OR A.4.1-1/2) AND [A.4.3-2/4 OR (A.4.3-2/4 AND A.4.3-2/2) OR (A.4.3-2/4 AND A.4.3-2/5)] THEN R ELSE N/A
C20e	IF (A.4.1-1/1 OR A.4.1-1/2) AND [A.4.3-2/5 OR (A.4.3-2/5 AND A.4.3-2/2) OR (A.4.3-2/5 AND A.4.3-2/4)] THEN R ELSE N/A
C21e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-2/4 THEN R ELSE N/A
C22e	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3-2/2) AND (A.4.3-2/6 OR A.4.3-2/8) AND NOT (A.4.3-2/7 OR A.4.3-2/9) THEN R ELSE N/A
C23e	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3-2/2) AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C24e	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3-2/2) AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) THEN R ELSE N/A
C25e	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3-2/1 OR A.4.3-2/2) AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7 AND NOT A.4.3-2/9) THEN R ELSE N/A
C26e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/4
C27e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/5
C28e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND (A.4.3-2/6 OR A.4.3-2/8) AND NOT (A.4.3-2/7 OR A.4.3-2/9) THEN R ELSE N/A
C29e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C30e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) THEN R ELSE N/A
C31e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/1 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7 AND NOT A.4.3-2/9) THEN R ELSE N/A
C32e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND NOT (A.4.3-2/7 OR A.4.3-2/9) THEN R ELSE N/A
C33e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-2/7 AND NOT (A.4.3-2/6 OR A.4.3-2/8 OR A.4.3-2/9) THEN R ELSE N/A
C34e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND A.4.3-2/9 AND NOT (A.4.3-2/6 OR A.4.3-2/7 OR A.4.3-2/8) THEN R ELSE N/A
C35e	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/2 AND (A.4.3-2/6 OR A.4.3-2/8) AND A.4.3-2/7 AND NOT A.4.3-2/9) THEN R ELSE N/A

Annex A (normative): ICS proforma for E-UTRA/EPC Generation User Equipment

A.1 Guidance for completing the ICS proforma

A.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in relevant specifications may provide information about the implementation in a standardised manner.

The ICS proforma is subdivided into clauses for the following categories of information:

- instructions for completing the ICS proforma;
- identification of the implementation;
- identification of the protocol;
- ICS proforma tables (for example: UE implementation types, Teleservices, etc).

A.1.2 Abbreviations and conventions

The ICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [8].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".

Reference column

The reference column gives reference to the relevant 3GPP core specifications.

Release column

The release column indicates the earliest release from which the capability or option is relevant.

Mnemonic column

The Mnemonic column contains mnemonic identifiers for each item.

Comments column

This column is left blank for particular use by the reader of the present document.

References to items

For each possible item answer (answer in the support column) within the ICS proforma there exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns shall be discriminated by letters (a, b, etc.), respectively.

A.1.3 Instructions for completing the ICS proforma

The supplier of the implementation may complete the ICS proforma in each of the spaces provided. More detailed instructions are given at the beginning of the different clauses of the ICS proforma.

A.2 Identification of the User Equipment

Identification of the User Equipment should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the ICS should be named as the contact person.

A.2.1 Date of the statement

.....

A.2.2 User Equipment Under Test (UEUT) identification

UEUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Software configuration:

.....

.....

.....

A.2.3 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.4 Client

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.5 ICS contact person

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

A.3 Identification of the protocol

This ICS proforma applies to the 3GPP standards listed in the normative references clause of the present document.

A.4 ICS proforma tables

A.4.1 UE Implementation Types

Table A.4.1-1: UE Radio Technologies

Item	UE Radio Technologies	Ref.	Release	Mnemonic	Comments
1	E-UTRA FDD				Refer to 3GPP TS 36.523-2[11] Table A.4.1-1/1
2	E-UTRA TDD				Refer to 3GPP TS 36.523-2 [11] Table A.4.1-1/2
3	UTRA FDD				Refer to 3GPP TS 34.123-2 [12] Table A.1/1
4	UTRA TDD 1.28 Mcps (LCR)				Refer to 3GPP TS 34.123-2 [12] Table A.1/3

Table A.4.1-2: Teleservices

Item	Teleservices	Ref.	Release	Mnemonic	Comments
1	Emergency call				Refer to 3GPP TS 34.123-2 [12] Table A.2/2

A.4.2 Baseline Implementation Capabilities

Table A.4.2-1: Supported Protocols

Item	Special Conformance Testing Functions	Ref.	Release	Mnemonic	Comments
1	LTE Positioning Protocol (LPP)	36.355	Rel-9	pc_LPP	
2	Support for OMA LPPe	OMA-TS-LPPe-V1_0-20110929-C	Rel-9	pc_OMA_LPPe	

Table A.4.2-2: Special Conformance Testing Functions

Item	Special Conformance Testing Functions	Ref.	Release	Comments
1	Reset of UE Positioning Stored Information	36.509	Rel-9	E-UTRA
2	Reset of UE Positioning Stored Information	34.109	R99	UTRA

A.4.3 UE Positioning Capabilities

Table A.4.3-1: UTRA UE positioning capabilities

Item	Services Capabilities	Ref.	Release	Mnemonic	Comments
1	Support for IPDL	25.306, 4.8	R99	pc_UE_PositioningIPDL_Sup	
2	Support of GPS timing of cell frames	25.306, 4.8	R99	pc_UE_PositioningGPS_TimingOfCellFramesSup	
3	UE-based OTDOA is supporting by UE	25.306, 4.8	R99	pc_UE_PositioningBasedOTDOA_Sup	
4	Standalone location method is supporting by UE	25.306, 4.8	R99	pc_UE_PositioningStandaloneLocMethodsSup	
5	Support of UE-Based A-GANSS	25.306, 4.8	Rel-8	pc_UEB_A_GANSS	
6	Support of UE-Assisted A-GANSS	25.306, 4.8	Rel-8	pc_UEA_A_GANSS	
7	Support for GLONASS	25.306, 4.8	Rel-8	pc_GLONASS	NOTE
8	Support for Modernized GPS	25.306, 4.8	Rel-8	pc_MGPS	NOTE
9	Support for Galileo	25.306, 4.8	Rel-8	pc_GALILEO	NOTE
10	Support of UE based Network Assisted GPS L1 C/A	25.306, 4.8	R99	pc_UeBasedAgps	
11	Support of UE assisted Network Assisted GPS L1 C/A	25.306, 4.8	R99	pc_UeAssistedAgps	
12	Support of Fine Time Assistance	25.171, 4.4	Rel-6		
NOTE: If the capability is supported by the UE, then A.4.3-1/5 or A.4.3-1/6 must be supported as well.					

Table A.4.3-2: E-UTRA UE Positioning Capabilities

Item	UE Positioning Capabilities	Ref.	Release	Mnemonic	Comments
1	Support of UE based Assisted-GNSS	36.355	Rel-9	pc_UEB_AGNSS	This implies support of LPP A.4.2-1/1
2	Support of UE assisted Assisted-GNSS	36.355	Rel-9	pc_UEA_AGNSS	This implies support of LPP A.4.2-1/1
3	Support of GNSS Fine Time Assistance	36.355	Rel-9	pc_GNSS_FTA	This implies support of LPP A.4.2-1/1
4	Support of UE assisted OTDOA	36.355	Rel-9	pc_OTDOA	This implies support of LPP A.4.2-1/1
5	Support of UE assisted ECID	36.355	Rel-9	pc_ECID	This implies support of LPP A.4.2-1/1
6	Support for A-GPS L1C/A	36.355	Rel-9	pc_A_GPS_L1C_A	This implies support of LPP A.4.2-1/1
7	Support for A-GLONASS	36.355	Rel-9	pc_A_GLONASS	This implies support of LPP A.4.2-1/1
8	Support for A-GPS L1C/A and Modernized GPS	36.355	Rel-9	pc_A_GPS_L1C_A_MGPS	This implies support of LPP A.4.2-1/1
9	Support for A-Galileo	36.355	Rel-9	pc_A_Galileo	This implies support of LPP A.4.2-1/1
10	Support of UE Fine Time Assistance measurements for UE-based Assisted-GNSS	36.355	Rel-9	pc_GNSS_FTA_UEB	This implies support of LPP A.4.2-1/1
11	Support of UE Fine Time Assistance measurements for UE-assisted Assisted-GNSS	36.355	Rel-9	pc_GNSS_FTA_UEA	This implies support of LPP A.4.2-1/1
12	Support of GNSS Acquisition Assistance	36.355, 37.571-2, 5.4.1	Rel-9	pc_GNSS_AA	This implies support of LPP A.4.2-1/1
13	Support for A-SBAS	36.355	Rel-9	pc_A_SBAS	
14	Support for A-QZSS	36.355	Rel-9	pc_A_QZSS	
15	Support of UE assisted OTDOA for Carrier Aggregation	36.355	Rel-10	pc_OTDOA_CA	This implies support of LPP A.4.2-1/1

Table A.4.3-3: Supplementary Services

Item	UE Positioning Capabilities	Ref.	Release	Mnemonic	Comments
1	Support of EPC-MO-LR request for assistance data	24.171, 24.030, 24.080	Rel-9	pc_EPC_MO_LR_RequestAssistanceData	
2	Support of EPC-MO-LR request for a position estimate	24.171, 24.030, 24.080	Rel-9	pc_EPC_MO_LR_RequestPositionEstimate	
3	Support of EPC-MT-LR Location Notification	24.171, 24.030, 24.080	Rel-9	pc_MT_LR_loc_notif	
4	Support for CS-MO-LR with CS Fallback for a position estimate	23.272	Rel-9	pc_CS_MO_LR_CSFallback	
5	Support of MO-LR request for assistance data	24.030, 5.1.1; 24.080, 4.4.3.44 23.171, 8.1.1	R99	pc_ParamGpsAssisData	UTRA
6	Support of MO-LR request for a position estimate	23.171, 8.1.1	R99	pc_ParamPosEstimate	UTRA
7	Support of MO-LR request for transfer to 3rd party	23.171, 8.1.1	R99	pc_ParamXfer3rdPty	UTRA
8	Support of MT-LR LCS value added location request notification capability	24.030 23.271	R99	pc_MT_LR	UTRA

Table A.4.3-4: E-CID Measurements

Item	UE Positioning Capabilities	Ref.	Release	Mnemonic	Comments
1	RSRP Supported	36.355, subclause 6.5.3.4	Rel-9	pc_ECID_Rsrp	E-UTRA
2	RSRQ Supported	36.355, subclause 6.5.3.4	Rel-9	pc_ECID_Rsrq	E-UTRA
3	UE Rx-Tx Time Difference Supported	36.355, subclause 6.5.3.4	Rel-9	pc_ECID_ UeRxTx	E-UTRA

Table A.4.3-5: GNSS Signals

Item	GNSS Signals Capabilities	Ref.	Release	Mnemonic	Comments
1	Support of A-GPS L1C signal	36.355, 6.5.2.13	Rel-9	pc_A_GPS_L1C	E-UTRA
2	Support of A-GPS L2C signal	36.355, 6.5.2.13	Rel-9	pc_A_GPS_L2C	E-UTRA
3	Support of A-GPS L5 signal	36.355, 6.5.2.13	Rel-9	pc_A_GPS_L5	E-UTRA
4	Support of QZS-L1 signal in QZSS	36.355, 6.5.2.13	Rel-9	pc_QZSS_QZS_L1	E-UTRA
5	Support of QZS-L1C signal in QZSS	36.355, 6.5.2.13	Rel-9	pc_QZSS_QZS_L1C	E-UTRA
6	Support of QZS-L2C signal in QZSS	36.355, 6.5.2.13	Rel-9	pc_QZSS_QZS_L2C	E-UTRA
7	Support of QZS-L5 signal in QZSS	36.355, 6.5.2.13	Rel-9	pc_QZSS_QZS_L5	E-UTRA
8	Support of G1 signal in Glonass	36.355, 6.5.2.13	Rel-9	pc_GLONASS_G1	E-UTRA
9	Support of G2 signal in Glonass	36.355, 6.5.2.13	Rel-9	pc_GLONASS_G2	E-UTRA
10	Support of G3 signal in Glonass	36.355, 6.5.2.13	Rel-9	pc_GLONASS_G3	E-UTRA
11	Support of E1 signal in Galileo	36.355, 6.5.2.13	Rel-9	pc_GALILEO_E1	E-UTRA
12	Support of E5a signal in Galileo	36.355, 6.5.2.13	Rel-9	pc_GALILEO_E5a	E-UTRA
13	Support of E5b signal in Galileo	36.355, 6.5.2.13	Rel-9	pc_GALILEO_E5b	E-UTRA
14	Support of E6 signal in Galileo	36.355, 6.5.2.13	Rel-9	pc_GALILEO_E6	E-UTRA
15	Support of E5a+E5b signal in Galileo	36.355, 6.5.2.13	Rel-9	pc_GALILEO_E5aE5b	E-UTRA

Table A.4.3-6: ADR and Velocity Measurements

Item	ADR and Velocity Measurements	Ref.	Release	Mnemonic	Comments
1	Support of ADR measurement reporting for Gps	36.355, 6.5.2.9	Rel-9	pc_A_GPS_ADR	E-UTRA
2	Support of ADR measurement reporting for Sbas	36.355, 6.5.2.9	Rel-9	pc_SBAS_ADR	E-UTRA
3	Support of ADR measurement reporting for Qzss	36.355, 6.5.2.9	Rel-9	pc_QZSS_ADR	E-UTRA
4	Support of ADR measurement reporting for Galileo	36.355, 6.5.2.9	Rel-9	pc_GALILEO_ADR	E-UTRA
5	Support of ADR measurement reporting for Glonass	36.355, 6.5.2.9	Rel-9	pc_GLONASS_ADR	E-UTRA
6	Support of Velocity measurement reporting for Gps	36.355, 6.5.2.9	Rel-9	pc_A_GPS_Velocity Meas	E-UTRA
7	Support of Velocity measurement reporting for Sbas	36.355, 6.5.2.9	Rel-9	pc_SBAS_VelocityMe as	E-UTRA
8	Support of Velocity measurement reporting for Qzss	36.355, 6.5.2.9	Rel-9	pc_QZSS_VelocityM eas	E-UTRA
9	Support of Velocity measurement reporting for Galileo	36.355, 6.5.2.9	Rel-9	pc_GALILEO_Velocit yMeas	E-UTRA
10	Support of Velocity measurement reporting for Glonass	36.355, 6.5.2.9	Rel-9	pc_GLONASS_Veloci tyMeas	E-UTRA

Table A.4.3-7: GNSS Assistance Data Support

Item	GNSS Assistance Data Support	Ref.	Release	Mnemonic	Comments
1	Gnss-ReferenceTimeSupport (Common Assistance Data)	36.355, 6.5.2.9	Rel-9	pc_GNSS_RefTimeSup	E-UTRA
2	Gnss-ReferenceLocationSupport (Common Assistance Data)	36.355, 6.5.2.9	Rel-9	pc_GNSS_RefLocSup	E-UTRA
3	Gnss-IonosphericModelSupport (Common Assistance Data)	36.355, 6.5.2.9	Rel-9	pc_GNSS_IonoModSup	E-UTRA
4	Gnss-EarthOrientationParametersSupport (Common Assistance Data)	36.355, 6.5.2.9	Rel-9	pc_GNSS_EOPSup	E-UTRA
5	Gnss-TimeModelsSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_TimeModSup_Gps	E-UTRA
6	Gnss-TimeModelsSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_TimeModSup_Sbas	E-UTRA
7	Gnss-TimeModelsSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_TimeModSup_Qzss	E-UTRA
8	Gnss-TimeModelsSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_TimeModSup_Galileo	E-UTRA
9	Gnss-TimeModelsSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_TimeModSup_Glonass	E-UTRA
10	Gnss-DifferentialCorrectionsSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_DGNSS_Sup_Gps	E-UTRA
11	Gnss-DifferentialCorrectionsSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_DGNSS_Sup_Sbas	E-UTRA
12	Gnss-DifferentialCorrectionsSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_DGNSS_Sup_Qzss	E-UTRA
13	Gnss-DifferentialCorrectionsSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_DGNSS_Sup_Galileo	E-UTRA
14	Gnss-DifferentialCorrectionsSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_DGNSS_Sup_Glonass	E-UTRA
15	Gnss-NavigationModelSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_NavModSup_Gps	E-UTRA
16	Gnss-NavigationModelSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_NavModSup_Sbas	E-UTRA
17	Gnss-NavigationModelSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_NavModSup_Qzss	E-UTRA
18	Gnss-NavigationModelSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_NavModSup_Galileo	E-UTRA
19	Gnss-NavigationModelSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_NavModSup_Glonass	E-UTRA
20	Gnss-RealTimeIntegritySupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_RTISup_Gps	E-UTRA
21	Gnss-RealTimeIntegritySupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_RTISup_Sbas	E-UTRA
22	Gnss-RealTimeIntegritySupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_RTISup_Qzss	E-UTRA
23	Gnss-RealTimeIntegritySupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_RTISup_Galileo	E-UTRA
24	Gnss-RealTimeIntegritySupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_RTISup_Glonass	E-UTRA
25	Gnss-DataBitAssistanceSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_DataBitsSup_Gps	E-UTRA

26	Gnss-DataBitAssistanceSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_DataBitsSup_Sbas	E-UTRA
27	Gnss-DataBitAssistanceSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_DataBitsSup_Qzss	E-UTRA
28	Gnss-DataBitAssistanceSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_DataBitsSup_Galileo	E-UTRA
29	Gnss-DataBitAssistanceSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_DataBitsSup_Glonass	E-UTRA
30	Gnss-AcquisitionAssistanceSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_AcquAssistSup_Gps	E-UTRA
31	Gnss-AcquisitionAssistanceSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_AcquAssistSup_Sbas	E-UTRA
32	Gnss-AcquisitionAssistanceSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_AcquAssistSup_Qzss	E-UTRA
33	Gnss-AcquisitionAssistanceSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_AcquAssistSup_Galileo	E-UTRA
34	Gnss-AcquisitionAssistanceSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_AcquAssistSup_Glonass	E-UTRA
35	Gnss-AlmanacSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_AlmanacSup_Gps	E-UTRA
36	Gnss-AlmanacSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_AlmanacSup_Sbas	E-UTRA
37	Gnss-AlmanacSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_AlmanacSup_Qzss	E-UTRA
38	Gnss-AlmanacSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_AlmanacSup_Galileo	E-UTRA
39	Gnss-AlmanacSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_AlmanacSup_Glonass	E-UTRA
40	Gnss-UTC-ModelSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_UTCModSup_Gps	E-UTRA
41	Gnss-UTC-ModelSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_UTCModSup_Sbas	E-UTRA
42	Gnss-UTC-ModelSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_UTCModSup_Qzss	E-UTRA
43	Gnss-UTC-ModelSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_UTCModSup_Galileo	E-UTRA
44	Gnss-UTC-ModelSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_UTCModSup_Glonass	E-UTRA
45	Gnss-AuxiliaryInformationSupport for gps	36.355, 6.5.2.9	Rel-9	pc_GNSS_AuxInfoSup_Gps	E-UTRA
46	Gnss-AuxiliaryInformationSupport for sbas	36.355, 6.5.2.9	Rel-9	pc_GNSS_AuxInfoSup_Sbas	E-UTRA
47	Gnss-AuxiliaryInformationSupport for qzss	36.355, 6.5.2.9	Rel-9	pc_GNSS_AuxInfoSup_Qzss	E-UTRA
48	Gnss-AuxiliaryInformationSupport for galileo	36.355, 6.5.2.9	Rel-9	pc_GNSS_AuxInfoSup_Galileo	E-UTRA
49	Gnss-AuxiliaryInformationSupport for glonass	36.355, 6.5.2.9	Rel-9	pc_GNSS_AuxInfoSup_Glonass	E-UTRA

Table A.4.3-8: Location Coordinate Types

Item	Location Coordinate Types	Ref.	Release	Mnemonic	Comments
1	Ellipsoid Point Support	36.355, 6.4.1	Rel-9	pc_GNSS_EllipPoint	E-UTRA
2	Ellipsoid Point With Uncertainty Circle Support	36.355, 6.4.1	Rel-9	pc_GNSS_EllipPoint UncertCircle	E-UTRA
3	Ellipsoid Point With Uncertainty Ellipse Support	36.355, 6.4.1	Rel-9	pc_GNSS_EllipPoint UncertEllip	E-UTRA
4	Polygon Support	36.355, 6.4.1	Rel-9	pc_GNSS_Polygon	E-UTRA
5	Ellipsoid Point With Altitude Support	36.355, 6.4.1	Rel-9	pc_GNSS_EllipPoint Alt	E-UTRA
6	Ellipsoid Point With Altitude And Uncertainty Ellipsoid Support	36.355, 6.4.1	Rel-9	pc_GNSS_EllipPoint AltUncertEllip	E-UTRA
7	Ellipsoid Arc Support	36.355, 6.4.1	Rel-9	pc_GNSS_EllipArc	E-UTRA

Table A.4.3-9: Velocity Types

Item	Velocity Types	Ref.	Release	Mnemonic	Comments
1	Horizontal Velocity Support	36.355, 6.4.1	Rel-9	pc_GNSS_HVel	E-UTRA
2	Horizontal With Vertical Velocity Support	36.355, 6.4.1	Rel-9	pc_GNSS_HVVel	E-UTRA
3	Horizontal Velocity With Uncertainty Support	36.355, 6.4.1	Rel-9	pc_GNSS_HVelUncert	E-UTRA
4	Horizontal With Vertical Velocity And Uncertainty Support	36.355, 6.4.1	Rel-9	pc_GNSS_HVVelUncert	E-UTRA

A.4.4 Additional information

Table A.4.4-1: Additional information

Item	Additional information	Ref.	Release	Mnemonic	Comments
1					
2					
3					

Annex B (informative): Change history

Change history							
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Old**	**New**
36.571-3							
2010-08	RAN5#48	R5-104317	-	-	Initial version		0.0.0
2011-02	RAN5#50	R5-110253	-	-	Addition of test case applicability	0.0.0	0.1.0
2011-08	RAN5#52	R5-113273	-	-	Addition of E-CID and OTDOA performance test case applicability	0.1.0	
		R5-113139	-	-	Addition of UE Network Capability test case		
		R5-113773	-	-	Addition of Notification test cases		
		R5-113148	-	-	Addition of Position Capability Transfer test case		1.0.0
37.571-3							
2011-11	RAN5#53	R5-115253	-	-	Creation of 37.571-3 based on 36.571-3 v1.0.0, 34.123-2 v9.6.0, 34.171 v9.3.0 and 34.172 va.1.0	-	1.0.0
-	-	R5-115254	-	-	Corrections to the 37.571-3 baseline text	-	-
-	-	R5-115255	-	-	Addition of missing test case applicability to the 37.571-3 baseline text	-	-
-	-	R5-115256	-	-	Applicable Release for UMTS A-GNSS Test Cases in 37.571-3 baseline text	-	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	R5-120365	0001	-	Addition of missing test case applicability for test cases 7.3.4.1, 7.3.4.2, 7.3.4.3, and 7.3.4.4	9.0.0	9.1.0
2012-03	RAN#55	R5-120529	0002	-	Remove redundant mnemonics	9.0.0	9.1.0
2012-06	RAN#56	-	-	-	Upgraded to v10.0.0 with no change.	9.1.0	10.0.0
2012-09	RAN#57	R5-123689	0003	-	Correction of sub-test names and PICS names	10.0.0	10.1.0
2012-09	RAN#57	-	-	-	Addition of missing sub test cases name change of R5-123689	10.1.0	10.1.1
2012-12	RAN#58	R5-125119	0004	-	Add new PICS and post-fix for conditions	10.1.1	10.2.0
2012-12	RAN#58	R5-124121	0006	-	Applicabilities for new test cases 10.1 - 10.4 for RSTD for Carrier Aggregation	10.1.1	10.2.0
2013-03	RAN#58	-	-	-	fix of history table	10.2.0	10.2.1

History

Document history		
V10.0.0	July 2012	Publication
V10.1.1	October 2012	Publication
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