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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 10.0.0 Release 10)

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Foreword

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Foreword

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

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where:

x the first digit:

1 presented to TSG for information;

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y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

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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_TDD	

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

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	C01	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	C01	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	C03	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	C03	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	C09	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	C05	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	C10	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	C07	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	C08	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	C05	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	C09	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	C02	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	C02	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	C02	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	C04	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	C04	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	C02	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	C02	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	C04	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	C04	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	C06	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
6.2.1.1-1	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 1	Rel-8	C11	UEs supporting FDD, emergency speech call and UE based Network Assisted GANSS with GLONASS only	1 Execution: CS
6.2.1.1-2	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 2	Rel-8	C22	UEs supporting FDD, emergency speech call and UE based Network Assisted GANSS with Galileo only	1 Execution: CS
6.2.1.1-3	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 3	Rel-8	C13	UEs supporting FDD, emergency speech call and UE based Network Assisted GPS and GANSS with Modernized GPS only	1 Execution: CS
6.2.1.1-4	NI-LR Emergency Call: UE-Based A-GNSS Sub-test 4	Rel-8	C14	UEs supporting FDD, emergency speech call and UE based Network Assisted GPS and GANSS with GLONASS only	1 Execution: CS
6.2.1.2-1	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 1	Rel-8	C15	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GANSS with GLONASS only	1 Execution: CS
6.2.1.2-2	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 2	Rel-8	C16	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GANSS with Galileo only	1 Execution: CS
6.2.1.2-3	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 3	Rel-8	C17	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GPS and GANSS with Modernized GPS only	1 Execution: CS
6.2.1.2-4	NI-LR Emergency Call: UE-Assisted A-GNSS Sub-test 4	Rel-8	C18	UEs supporting FDD, emergency speech call and UE assisted Network Assisted GPS and GANSS with GLONASS only	1 Execution: CS
6.2.2.1-1	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 1	Rel-8	C19	UEs supporting FDD and UE based Network Assisted GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.1-2	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 2	Rel-8	C20	UEs supporting FDD and UE based Network Assisted GANSS with Galileo only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.1-3	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 3	Rel-8	C21	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
6.2.2.1-4	MO-LR Position Estimate: UE-Based A-GNSS Sub-test 4	Rel-8	C22	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)
6.2.2.2-1	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 1	Rel-8	C23	UEs supporting FDD and UE assisted Network Assisted GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.2-2	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 2	Rel-8	C24	UEs supporting FDD and UE assisted Network Assisted GANSS with Galileo only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.2-3	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 3	Rel-8	C25	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
6.2.2.2-4	MO-LR Position Estimate: UE-Assisted A-GNSS Sub-test 4	Rel-8	C26	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
6.2.2.3-1	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 1	Rel-8	C19	UEs supporting FDD and UE based Network Assisted GANSS with GLONASS only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.3-2	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 2	Rel-8	C20	UEs supporting FDD and UE based Network Assisted GANSS with Galileo only and MO-LR request for a position estimate	1 Execution: CS
6.2.2.3-3	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 3	Rel-8	C21	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
6.2.2.3-4	MO-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 4	Rel-8	C22	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
6.2.2.4-1	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 1	Rel-8	C27	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
6.2.2.4-2	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 2	Rel-8	C28	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
6.2.2.4-3	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 3	Rel-8	C29	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
6.2.2.4-4	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Success Sub-test 4	Rel-8	C30	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
6.2.2.5-1	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 1	Rel-8	C27	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
6.2.2.5-2	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 2	Rel-8	C28	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)
6.2.2.5-3	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 3	Rel-8	C29	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
6.2.2.5-4	MO-LR Assistance Data: UE-Based or UE-Assisted A-GNSS – Failure Sub-test 4	Rel-8	C30	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
6.2.3.1-1	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 1	Rel-8	C35	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with GLONASS only	1 Execution: CS
6.2.3.1-2	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 2	Rel-8	C36	UEs supporting FDD and (UE assisted Network Assisted GANSS or UE based Network Assisted GANSS) with Galileo only	1 Execution: CS
6.2.3.1-3	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 3	Rel-8	C37	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
6.2.3.1-4	MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success Sub-test 4	Rel-8	C38	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
6.2.3.2-1	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 1	Rel-8	C31	UEs supporting FDD and UE based Network Assisted GANSS with GLONASS only	1 Execution: CS
6.2.3.2-2	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 2	Rel-8	C32	UEs supporting FDD and UE based Network Assisted GANSS with Galileo only	1 Execution: CS
6.2.3.2-3	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 3	Rel-8	C33	UEs supporting FDD and UE based Network Assisted GPS and GANSS with Modernized GPS only	1 Execution: CS
6.2.3.2-4	MT-LR Position Estimate: UE-Based A-GNSS – Failure Not Enough Satellites Sub-test 4	Rel-8	C34	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	C39	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	C39	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	C39	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

C01	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
C02	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
C03	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
C04	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
C05	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
C06	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
C07	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
C08	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
C09	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
C10	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
C11	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
C12	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
C13	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
C14	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
C15	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
C16	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
C17	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
C18	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
C19	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
C20	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
C21	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
C22	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
C23	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
C24	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
C25	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
C26	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
C27	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
C28	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
C29	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
C30	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
C31	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
C32	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
C33	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
C34	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
C35	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
C36	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
C37	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
C38	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
C39	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	C11	All UEs supporting LPP	xc_eFDD	
					xc_eTDD	
7.2	**LCS Procedures**					
7.2.1.1	Location Notification	Rel-9	C14	All UEs supporting EPC-MT-LR Location Notification	xc_eFDD	
					xc_eTDD	
7.2.1.2	Privacy Verification – Location Allowed if no Response	Rel-9	C14	All UEs supporting EPC-MT-LR Location Notification	xc_eFDD	px_UeLcsNotification: value for UE LCS Notification timeout timer.
					xc_eTDD	
7.2.1.3	Privacy Verification – Location not Allowed if No Response	Rel-9	C14	All UEs supporting EPC-MT-LR Location Notification	xc_eFDD	px_UeLcsNotification: value for UE LCS Notification timeout timer.
					xc_eTDD	
7.2.2.1-1	Autonomous Self Location: UE-based: Sub-Test 1	Rel-9	C01	All UEs supporting UE-Based GNSS with A-GPS only and MO-LR request for assistance data	xc_eFDD	
					xc_eTDD	
7.2.2.1-2	Autonomous Self Location: UE-based: Sub-Test 2	Rel-9	C02	All UEs supporting UE-Based GNSS with A-GLONASS only and MO-LR request for assistance data	xc_eFDD	
					xc_eTDD	
7.2.2.1-3	Autonomous Self Location: UE-based: Sub-Test 3	Rel-9	C03	All UEs supporting UE-Based GNSS with A-Galileo only and MO-LR request for assistance data	xc_eFDD	
					xc_eTDD	
7.2.2.1-4	Autonomous Self Location: UE-based: Sub-Test 4	Rel-9	C04	All UEs supporting UE-Based GNSS with A-GPS and A-GLONASS only and MO-LR request for assistance data	xc_eFDD	
					xc_eTDD	
7.2.2.2-1	Basic Self Location: UE-assisted: Sub-Test 1	Rel-9	C05	All UEs supporting UE-Assisted GNSS with A-GPS only and MO-LR request for location estimate	xc_eFDD	
					xc_eTDD	
7.2.2.2-2	Basic Self Location: UE-assisted: Sub-Test 2	Rel-9	C06	All UEs supporting UE-Assisted GNSS with A-GLONASS only and MO-LR request for location estimate	xc_eFDD	
					xc_eTDD	
7.2.2.2-3	Basic Self Location: UE-assisted: Sub-Test 3	Rel-9	C07	All UEs supporting UE-Assisted GNSS with A-Galileo only and MO-LR request for location estimate	xc_eFDD	
					xc_eTDD	
7.2.2.2-4	Basic Self Location: UE-assisted: Sub-Test 4	Rel-9	C08	All UEs supporting UE-Assisted GNSS with A-GPS and A-GLONASS only and MO-LR request for location estimate	xc_eFDD	
					xc_eTDD	
7.2.2.2-5	Basic Self Location: UE-assisted: Sub-Test 5	Rel-9	C09	All UEs supporting	xc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				UE-Assisted OTDOA and MO-LR request for location estimate	xc_eTDD	
7.2.2.2-6	Basic Self Location: UE-assisted: Sub-Test 6	Rel-9	C10	All UEs supporting UE-Assisted ECID and MO-LR request for location estimate	xc_eFDD xc_eTDD	
7.3	**LPP Procedures**					
7.3.1.1	Position Capability Transfer	Rel-9	C11	All UEs supporting LPP	xc_eFDD xc_eTDD	
7.3.2.1	LPP Duplicated Message	Rel-9	C11	All UEs supporting LPP	xc_eFDD xc_eTDD	
7.3.2.2	LPP Acknowledgment	Rel-9	C11	All UEs supporting LPP	xc_eFDD xc_eTDD	
7.3.2.3	LPP Retransmission	Rel-9	C11	All UEs supporting LPP	xc_eFDD xc_eTDD	
7.3.3.1-1	LPP Requested Information not Supported– UE-Assisted: Sub-test 1	Rel-9	C15	All UEs supporting UE-assisted GNSS with GPS, either alone or with UE-assisted OTDOA or UE-assisted ECID.	xc_eFDD xc_eTDD	
7.3.3.1-2	LPP Requested Information not Supported – UE-Assisted: Sub-test 2	Rel-9	C16	All UEs supporting UE-assisted GNSS with GLONASS, either alone or with UE-assisted OTDOA or UE-assisted ECID.	xc_eFDD xc_eTDD	
7.3.3.1-3	LPP Requested Information not Supported – UE-Assisted: Sub-test 3	Rel-9	C17	All UEs supporting UE-assisted GNSS with Galileo, either alone or with UE-assisted OTDOA or UE-assisted ECID.	xc_eFDD xc_eTDD	
7.3.3.1-4	LPP Requested Information not Supported – UE-Assisted: Sub-test 4	Rel-9	C18	All UEs supporting UE-assisted GNSS with GPS and GLONASS, either alone or with UE-assisted OTDOA or UE-assisted ECID.	xc_eFDD xc_eTDD	
7.3.3.1-5	LPP Requested Information not Supported – UE-Assisted: Sub-test 5	Rel-9	C19	All UEs supporting UE-assisted OTDOA, either alone or with UE-assisted GNSS or UE-assisted ECID.	xc_eFDD xc_eTDD	
7.3.3.1-6	LPP Requested Information not Supported – UE-Assisted: Sub-test 6	Rel-9	C20	All UEs supporting UE-assisted ECID, either alone or with UE-assisted GNSS or UE-assisted OTDOA.	xc_eFDD xc_eTDD	
7.3.3.1-7	LPP Requested Information not Supported – UE-Assisted: Sub-test 7	Rel-9	C21	All UEs supporting UE-assisted GNSS and UE-assisted OTDOA	xc_eFDD xc_eTDD	
7.3.4.1-1	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Based: Sub-test 1	Rel-9	C28	All UEs supporting UE-based GNSS with A-GPS only	xc_eFDD xc_eTDD	
7.3.4.1-2	E-SMLC Initiated Assistance Data Delivery followed by	Rel-9	C29	All UEs supporting UE-based	xc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	Location Information Transfer: UE-Based: Sub-test 2			GNSS with A-GLONASS only	xc_eTDD	
7.3.4.1-3	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Based: Sub-test 3	Rel-9	C30	All UEs supporting UE-based GNSS with A-Galileo only	xc_eFDD	
					xc_eTDD	
7.3.4.1-4	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Based: Sub-test 4	Rel-9	C31	All UEs supporting UE-based GNSS with A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.4.2-1	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 1	Rel-9	C32	All UEs supporting UE-assisted GNSS with A-GPS only	xc_eFDD	
					xc_eTDD	
7.3.4.2-2	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 2	Rel-9	C33	All UEs supporting UE-assisted GNSS with A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.4.2-3	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 3	Rel-9	C34	All UEs supporting UE-assisted GNSS with A-Galileo only	xc_eFDD	
					xc_eTDD	
7.3.4.2-4	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 4	Rel-9	C35	All UEs supporting UE-assisted GNSS with A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.4.2-5	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 5	Rel-9	C26	All UEs supporting UE-Assisted OTDOA	xc_eFDD	
					xc_eTDD	
7.3.4.2-6	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 6	Rel-9	C27	All UEs supporting UE-Assisted ECID	xc_eFDD	
					xc_eTDD	
7.3.4.2-7	E-SMLC Initiated Assistance Data Delivery followed by Location Information Transfer: UE-Assisted: Sub-test 7	Rel-9	C21	All UEs supporting UE-assisted GNSS and UE-assisted OTDOA	xc_eFDD	
					xc_eTDD	
7.3.4.3-1	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Sub-test 1	Rel-9	C28	All UEs supporting UE-based GNSS with A-GPS only	xc_eFDD	
					xc_eTDD	
7.3.4.3-2	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Sub-test 2	Rel-9	C29	All UEs supporting UE-based GNSS with A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.4.3-3	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Sub-test 3	Rel-9	C30	All UEs supporting UE-based GNSS with A-Galileo only	xc_eFDD	
					xc_eTDD	
7.3.4.3-4	E-SMLC Initiated Position Measurement without assistance data: UE-Based: Sub-test 4	Rel-9	C31	All UEs supporting UE-based GNSS with A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.4.4-1	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Sub-test 1	Rel-9	C32	All UEs supporting UE-assisted GNSS with A-GPS only	xc_eFDD	
					xc_eTDD	
7.3.4.4-2	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Sub-test 2	Rel-9	C33	All UEs supporting UE-assisted GNSS with A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.4.4-3	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Sub-test 3	Rel-9	C34	All UEs supporting UE-assisted GNSS with A-Galileo only	xc_eFDD	
					xc_eTDD	
7.3.4.4-4	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Sub-test 4	Rel-9	C35	All UEs supporting UE-assisted GNSS with A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
7.3.4.4-5	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Sub-test 5	Rel-9	C26	All UEs supporting UE-Assisted OTDOA	xc_eFDD	
					xc_eTDD	
7.3.4.4-7	E-SMLC Initiated Position Measurement without assistance data: UE-Assisted: Sub-test 7	Rel-9	C21	All UEs supporting UE-assisted GNSS and UE-assisted OTDOA	xc_eFDD	
					xc_eTDD	
7.3.5.1-1	E-SMLC initiated Abort: Sub-test 1	Rel-9	C22	All UEs supporting UE-based or UE-assisted GNSS with A-GPS only	xc_eFDD	
					xc_eTDD	
7.3.5.1-2	E-SMLC initiated Abort: Sub-test 2	Rel-9	C23	All UEs supporting UE-based or UE-assisted GNSS with A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.5.1-3	E-SMLC initiated Abort: Sub-test 3	Rel-9	C24	All UEs supporting UE-based or UE-assisted GNSS with A-Galileo only	xc_eFDD	
					xc_eTDD	
7.3.5.1-4	E-SMLC initiated Abort: Sub-test 4	Rel-9	C25	All UEs supporting UE-based or UE-assisted GNSS with A-GPS and A-GLONASS only	xc_eFDD	
					xc_eTDD	
7.3.5.1-5	E-SMLC initiated Abort: Sub-test 5	Rel-9	C26	All UEs supporting UE Assisted OTDOA	xc_eFDD	
					xc_eTDD	
7.3.5.1-6	E-SMLC initiated Abort: Sub-test 6	Rel-9	C27	All UEs supporting UE Assisted ECID	xc_eFDD	
					xc_eTDD	
7.4	**Circuit Switched (CS) Fallback**					
7.4.1.1	CS fallback: Network does not support EPC-MO-LR	Rel-9	C12	All UEs supporting MO-LR procedure for location estimate in the CS fallback in EPS.	xc_eFDD	
					xc_eTDD	
7.4.1.2	CS fallback: UE does not support EPC-MO-LR	Rel-9	C13	All UEs not supporting EPC-MO-LR and supporting MO-LR procedure for location estimate in the CS fallback in EPS.	xc_eFDD	
					xc_eTDD	

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

C01	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
C02	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
C03	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
C04	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
C05	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
C06	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
C07	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
C08	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
C09	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
C10	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
C11	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.2-1/1 THEN R ELSE N/A
C12	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
C13	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
C14	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-3/3 THEN R ELSE N/A
C15	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
C16	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
C17	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
C18	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
C19	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
C20	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
C21	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
C22	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
C23	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
C24	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
C25	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
C26	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/4
C27	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3-2/5
C28	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
C29	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
C30	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
C31	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
C32	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
C33	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
C34	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
C35	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	Comments
1	LTE Positioning Protocol (LPP)	36.355	Rel-9	

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		This implies support of LPP A.4.2-1/1
7	Support for A-GLONASS	36.355	Rel-9		This implies support of LPP A.4.2-1/1
8	Support for A-GPS L1C/A and Modernized GPS	36.355	Rel-9		This implies support of LPP A.4.2-1/1
9	Support for A-Galileo	36.355	Rel-9		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		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		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		
2	Support of EPC-MO-LR request for a position estimate	24.171, 24.030, 24.080	Rel-9		
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		
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	Comments
1	RSRP Supported	36.355, subclause 6.5.3.4	Rel-9	E-UTRA
2	RSRQ Supported	36.355, subclause 6.5.3.4	Rel-9	E-UTRA
3	UE Rx-Tx Time Difference Supported	36.355, subclause 6.5.3.4	Rel-9	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

History

Document history		
V10.0.0	July 2012	Publication