ETSI TS 137 571-3 V17.1.0 (2023-07)

TECHNICAL SPECIFICATION

**Universal Mobile Telecommunications System (UMTS);
LTE;
5G;
User Equipment (UE)
conformance specification for UE positioning;
Part 3: Implementation Conformance Statement (ICS)
(3GPP TS 37.571-3 version 17.1.0 Release 17)**

Reference

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Keywords

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Contents

Foreword

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

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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: User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification.

3GPP TS 37.571-2: User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance.

3GPP TS 37.571-3: User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS).

3GPP TS 37.571-4: User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites.

3GPP TS 37.571-5: 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 UTRAN, E-UTRAN and NR 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, 3GPP TS 36.509 [2] for E-UTRA and 3GPP TS 38.509 [14] for NR. The common test environments are included in 3GPP TS 34.108 [9] for UTRA, in 3GPP TS 36.508 [3] for E-UTRA and in 3GPP TS 38.508-1 [15] for NR.

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 unless the context in which the reference is made suggests a different Release is relevant (information on the applicable release in a particular context can be found in e.g. test case title, description or applicability, message description or content).

[1]　　　　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: "User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification".

[6]　　　　3GPP TS 37. 571-2: "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".

[13]   3GPP TS 36.306: "Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities".

[14]   3GPP TS 38.509: "Special conformance testing functions for User Equipment (UE)".

[15]   3GPP TS 38.508-1: "User Equipment (UE) conformance specification; Part 1: Common test environment".

[16]   3GPP TS 38.508-2: "5GS; UE conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma".

[17]   3GPP TS 37.355: "LTE Positioning Protocol (LPP)".

[18]   3GPP TS 38.215: "NR; Physical layer measurements".

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-BDS	Assisted-BeiDou Navigation Satellite System
A-Galileo	Assisted- Galileo
A-GANSS	Assisted- Galileo and Additional Navigation Satellite Systems
A-GLONASS	Assisted- GLObal'naya NAvigatsionnaya Sputnikovaya Sistema (English: Global Navigation Satellite System)
A-GNSS	Assisted - Global Navigation Satellite System
A-GPS	Assisted - Global Positioning System
AP	Access Point
A-QZSS	Assisted- Quasi-Zenith Satellite System
A-SBAS	Assisted- Space Based Augmentation System
BDS	BeiDou Navigation Satellite System
BLE	Bluetooth Low Energy
C/A	Coarse/Acquisition
DL-AoD	Downlink Angle-of-Departure
DL-TDOA	Downlink Time Difference Of Arrival
DUT	Device Under Test
E-CID	Enhanced Cell-ID (positioning method)
eFDD	Enhanced Frequency Division Duplex
ENB	Evolved Node B
EN-DC	E-UTRA-NR Dual Connectivity
eTDD	Enhanced Time Division Duplex
E-UTRA	Evolved UMTS Terrestrial Radio Access
E-UTRAN	Evolved UMTS Terrestrial Radio Access Network
FDD	Frequency Division Duplex
FFS	For Further Study
GANSS	Galileo and Additional Navigation Satellite Systems
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
MBS	Metropolitan Beacon System
MO-LR	Mobile Originated Location Request
Multi-RTT	Multi-Round Trip Time
MT-LR	Mobile Terminated Location Request
NE-DC	NR-E-UTRA Dual Connectivity
NGEN-DC	NG-RAN E-UTRA-NR Dual Connectivity
NR E-CID	NR Enhanced Cell ID (positioning method)
NG-RAN	NextGen Radio Access Network
NR	New Radio
NR-DC	NR-NR Dual Connectivity
OTDOA	Observed Time Difference Of Arrival
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
QZSS	Quasi-Zenith Satellite System
RRC	Radio Resource Control
RSTD	Reference Signal Time Difference
SBAS	Space Based Augmentation System
SCS	System Conformance Statement
TC	Test Case
TDD	Time Division Duplex

UE	User Equipment
UEUT	User Equipment Under Test
UTRA	Universal Terrestrial Radio Access
UTRAN	Universal Terrestrial Radio Access Network
WLAN	Wireless Local Area Network

4   Recommended Test Case Applicability

The applicability of each individual test is identified in Table 4-1 (UTRA), 4 -3 and 4-3a (E-UTRA) and 4-11 (NR) for test cases in TS 37.571-1 [5] and in Table 4-5 (UTRA), 4-7 (E-UTRA) and 4-9 (NR) 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, 4-3a, 4-5, 4-7, 4-9 and 4-11 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.

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, 4-8, 4-10 and 4-12.

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.

NOTE: ICS items specified in 3GPP TS 36.523-2 [11] can be referred, to avoid redundant definitions.

Additional Information - Specific IXIT

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

The columns in Tables 4-1 and 4-5 have the following meaning:

Release

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

The columns in Tables 4-3, 4-3a, 4-7, 4-9, and 4-11 have the following meaning:

Release of LPP

The Release of LPP column indicates the earliest release of the positioning functionality in LPP (3GPP TS 36.355 [4] and 3GPP TS 37.355 [17]) from which the test case is applicable. Note that the release of the positioning functionality does not have to align with that of the RAT bearer.

Release RAT

The Release RAT column indicates the earliest release of the RAT bearer over which the test should be conducted. Note that the release of the positioning functionality does not have to align with that of the RAT bearer.

NOTE: To meet the validation requirements from certification bodies then there is a need to uniquely reference the 2Rx (UE supports 2 Rx antenna ports in the tested band) and 4Rx (UE supports 4 Rx antenna ports in the tested band) branch of common 2Rx and 4Rx OTDOA and ECID test cases in Table 4-3a. The 2Rx and 4Rx branches of common 2Rx and 4Rx test cases can be referenced by amending a "2Rx" or "4Rx" suffix to the test case clause number. For example for test case 8.1.1 the 2Rx and 4Rx branches can be identified by "8.1.1_2Rx" and "8.1.1_4Rx".

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ff81d898915b/etsi-ts-137-571-3-v17-1-0-2023-07

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 Coarse Time Assistance	Rel-6	C01ur	All UEs supporting FDD and UE-Based A-GPS L1 C/A or UE-Assisted A-GPS L1 C/A
5.2.2	Sensitivity Fine Time Assistance	Rel-6	C02ur	All UEs supporting FDD and UE-Based A-GPS L1 C/A or UE-Assisted A-GPS L1 C/A and Fine Time Assistance
5.3	Nominal Accuracy	Rel-6	C01ur	All UEs supporting FDD and UE-Based A-GPS L1 C/A or UE-Assisted A-GPS L1 C/A
5.4	Dynamic Range	Rel-6	C01ur	All UEs supporting FDD and UE-Based A-GPS L1 C/A or UE-Assisted A-GPS L1 C/A
5.5	Multi-path Performance	Rel-6	C01ur	All UEs supporting FDD and UE-Based A-GPS L1 C/A or UE-Assisted A-GPS L1 C/A
5.6	Moving Scenario and Periodic Update Performance	Rel-6	C01ur	All UEs supporting FDD and UE-Based A-GPS L1 C/A or UE-Assisted A-GPS L1 C/A
6.2.1-1	Sensitivity Coarse Time Assistance: Sub-Test 1	Rel-10	C03-1ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS
6.2.1-2	Sensitivity Coarse Time Assistance: Sub-Test 2	Rel-12	C03-2ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo
6.2.1-3	Sensitivity Coarse Time Assistance: Sub-Test 3	Rel-10	C03-3ur	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS or UE-Assisted A-GPS and A-GANSS with Modernized GPS
6.2.1-4	Sensitivity Coarse Time Assistance: Sub-Test 4	Rel-10	C03-4ur	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS or UE-Assisted A-GPS and A-GANSS with GLONASS
6.2.1-8	Sensitivity Coarse Time Assistance: Sub-Test 8	Rel-12	C03-8ur	All UEs supporting UE-Based A-GPS and A-GANSS with Galileo or UE-Assisted A-GPS and A-GANSS with Galileo
6.2.1-9	Sensitivity Coarse Time Assistance: Sub-Test 9	Rel-12	C03-9ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with BDS
6.2.1-10	Sensitivity Coarse Time Assistance: Sub-Test 10	Rel-12	C03-10ur	All UEs supporting UE-Based A-GPS and A-GANSS with BDS or UE-Assisted A-GPS and A-GANSS with BDS
6.2.2-1	Sensitivity Fine Time Assistance: Sub-Test 1	Rel-10	C04-1ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS and Fine Time Assistance
6.2.2-2	Sensitivity Fine Time Assistance: Sub-Test 2	Rel-12	C04-2ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo and Fine Time Assistance
6.2.2-3	Sensitivity Fine Time Assistance: Sub-Test 3	Rel-10	C04-3ur	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS or UE-Assisted A-GPS and A-GANSS with Modernized GPS and Fine Time Assistance
6.2.2-4	Sensitivity Fine Time Assistance: Sub-Test 4	Rel-10	C04-4ur	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS or UE-Assisted A-GPS and A-GANSS with GLONASS and Fine Time Assistance
6.2.2-8	Sensitivity Fine Time Assistance: Sub-Test 8	Rel-12	C04-8ur	All UEs supporting UE-Based A-GPS and A-GANSS with Galileo or UE-Assisted A-GPS and A-GANSS with Galileo and Fine Time Assistance
6.2.2-9	Sensitivity Fine Time Assistance: Sub-Test 9	Rel-12	C04-9ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with BDS and Fine Time Assistance
6.2.2-10	Sensitivity Fine Time Assistance: Sub-Test 10	Rel-12	C04-10ur	All UEs supporting UE-Based A-GPS and A-GANSS with BDS or UE-Assisted A-GPS and A-GANSS with BDS and Fine Time Assistance
6.3-1	Nominal Accuracy: Sub-Test 1	Rel-10	C03-1ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS

Clause	Title	Release	Applicability	Comments
6.3-2	Nominal Accuracy: Sub-Test 2	Rel-12	C03-2ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo
6.3-3	Nominal Accuracy: Sub-Test 3	Rel-10	C03-3ur	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS or UE-Assisted A-GPS and A-GANSS with Modernized GPS
6.3-4	Nominal Accuracy: Sub-Test 4	Rel-10	C03-4ur	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS or UE-Assisted A-GPS and A-GANSS with GLONASS
6.3-8	Nominal Accuracy: Sub-Test 8	Rel-12	C03-8ur	All UEs supporting UE-Based A-GPS and A-GANSS with Galileo or UE-Assisted A-GPS and A-GANSS with Galileo
6.3-9	Nominal Accuracy: Sub-Test 9	Rel-12	C03-9ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with BDS
6.3-10	Nominal Accuracy: Sub-Test 10	Rel-12	C03-10ur	All UEs supporting UE-Based A-GPS and A-GANSS with BDS or UE-Assisted A-GPS and A-GANSS with BDS
6.4-1	Dynamic Range: Sub-Test 1	Rel-10	C03-1ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS
6.4-2	Dynamic Range: Sub-Test 2	Rel-12	C03-2ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo
6.4-3	Dynamic Range: Sub-Test 3	Rel-10	C03-3ur	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS or UE-Assisted A-GPS and A-GANSS with Modernized GPS
6.4-4	Dynamic Range: Sub-Test 4	Rel-10	C03-4ur	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS or UE-Assisted A-GPS and A-GANSS with GLONASS
6.4-8	Dynamic Range: Sub-Test 8	Rel-12	C03-8ur	All UEs supporting UE-Based A-GPS and A-GANSS with Galileo or UE-Assisted A-GPS and A-GANSS with Galileo
6.4-9	Dynamic Range: Sub-Test 9	Rel-12	C03-9ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with BDS
6.4-10	Dynamic Range: Sub-Test 10	Rel-12	C03-10ur	All UEs supporting UE-Based A-GPS and A-GANSS with BDS or UE-Assisted A-GPS and A-GANSS with BDS
6.5-1	Multi-path Performance: Sub-Test 1	Rel-10	C03-1ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS
6.5-2	Multi- path Performance: Sub-Test 2	Rel-12	C03-2ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo
6.5-3	Multi- path Performance: Sub-Test 3	Rel-10	C03-3ur	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS or UE-Assisted A-GPS and A-GANSS with Modernized GPS
6.5-4	Multi- path Performance: Sub-Test 4	Rel-10	C03-4ur	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS or UE-Assisted A-GPS and A-GANSS with GLONASS
6.5-8	Multi- path Performance: Sub-Test 8	Rel-12	C03-8ur	All UEs supporting UE-Based A-GPS and A-GANSS with Galileo or UE-Assisted A-GPS and A-GANSS with Galileo
6.5-9	Multi- path Performance: Sub-Test 9	Rel-12	C03-9ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with BDS
6.5-10	Multi- path Performance: Sub-Test 10	Rel-12	C03-10ur	All UEs supporting UE-Based A-GPS and A-GANSS with BDS or UE-Assisted A-GPS and A-GANSS with BDS
6.6-1	Moving Scenario and Periodic Update Performance: Sub-Test 1	Rel-10	C03-1ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with GLONASS

Clause	Title	Release	Applicability	Comments
6.6-2	Moving Scenario and Periodic Update Performance: Sub-Test 2	Rel-12	C03-2ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with Galileo
6.6-3	Moving Scenario and Periodic Update Performance: Sub-Test 3	Rel-10	C03-3ur	All UEs supporting UE-Based A-GPS and A-GANSS with Modernized GPS or UE-Assisted A-GPS and A-GANSS with Modernized GPS
6.6-4	Moving Scenario and Periodic Update Performance: Sub-Test 4	Rel-10	C03-4ur	All UEs supporting UE-Based A-GPS and A-GANSS with GLONASS or UE-Assisted A-GPS and A-GANSS with GLONASS
6.6-8	Moving Scenario and Periodic Update Performance: Sub-Test 8	Rel-12	C03-8ur	All UEs supporting UE-Based A-GPS and A-GANSS with Galileo or UE-Assisted A-GPS and A-GANSS with Galileo
6.6-9	Moving Scenario and Periodic Update Performance: Sub-Test 9	Rel-12	C03-9ur	All UEs supporting UE-Based A-GANSS or UE-Assisted A-GANSS with BDS
6.6-10	Moving Scenario and Periodic Update Performance: Sub-Test 10	Rel-12	C03-10ur	All UEs supporting UE-Based A-GPS and A-GANSS with BDS or UE-Assisted A-GPS and A-GANSS with BDS

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

C01ur   IF A.4.1-1/3 AND (A.4.3-1/10 OR A.4.3-1/11) THEN R ELSE N/A
C02ur   IF A.4.1-1/3 AND (A.4.3-1/10 OR A.4.3-1/11) AND A.4.3-1/12 THEN R ELSE N/A
C03-1ur IF (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/7 THEN R ELSE N/A
C03-2ur IF (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/9 THEN R ELSE N/A
C03-3ur IF A.4.3-1/14 THEN R ELSE N/A
C03-4ur IF A.4.3-1/15 THEN R ELSE N/A
C03-8ur IF A.4.3-1/16 THEN R ELSE N/A
C03-9ur IF A.4.3-1/13 THEN R ELSE N/A
C03-10urIF A.4.3-1/17 THEN R ELSE N/A
C04-1ur IF (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/7 AND A.4.3-1/12 THEN R ELSE N/A
C04-2ur IF (A.4.3-1/5 OR A.4.3-1/6) AND A.4.3-1/9 AND A.4.3-1/12 THEN R ELSE N/A
C04-3ur IF A.4.3-1/14 AND A.4.3-1/12 THEN R ELSE N/A
C04-4ur IF A.4.3-1/15 AND A.4.3-1/12 THEN R ELSE N/A
C04-8ur IF A.4.3-1/16 AND A.4.3-1/12 THEN R ELSE N/A
C04-9ur IF A.4.3-1/13 AND A.4.3-1/12 THEN R ELSE N/A
C04-10ur IF A.4.3-1/17 AND A.4.3-1/12 THEN R ELSE N/A

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