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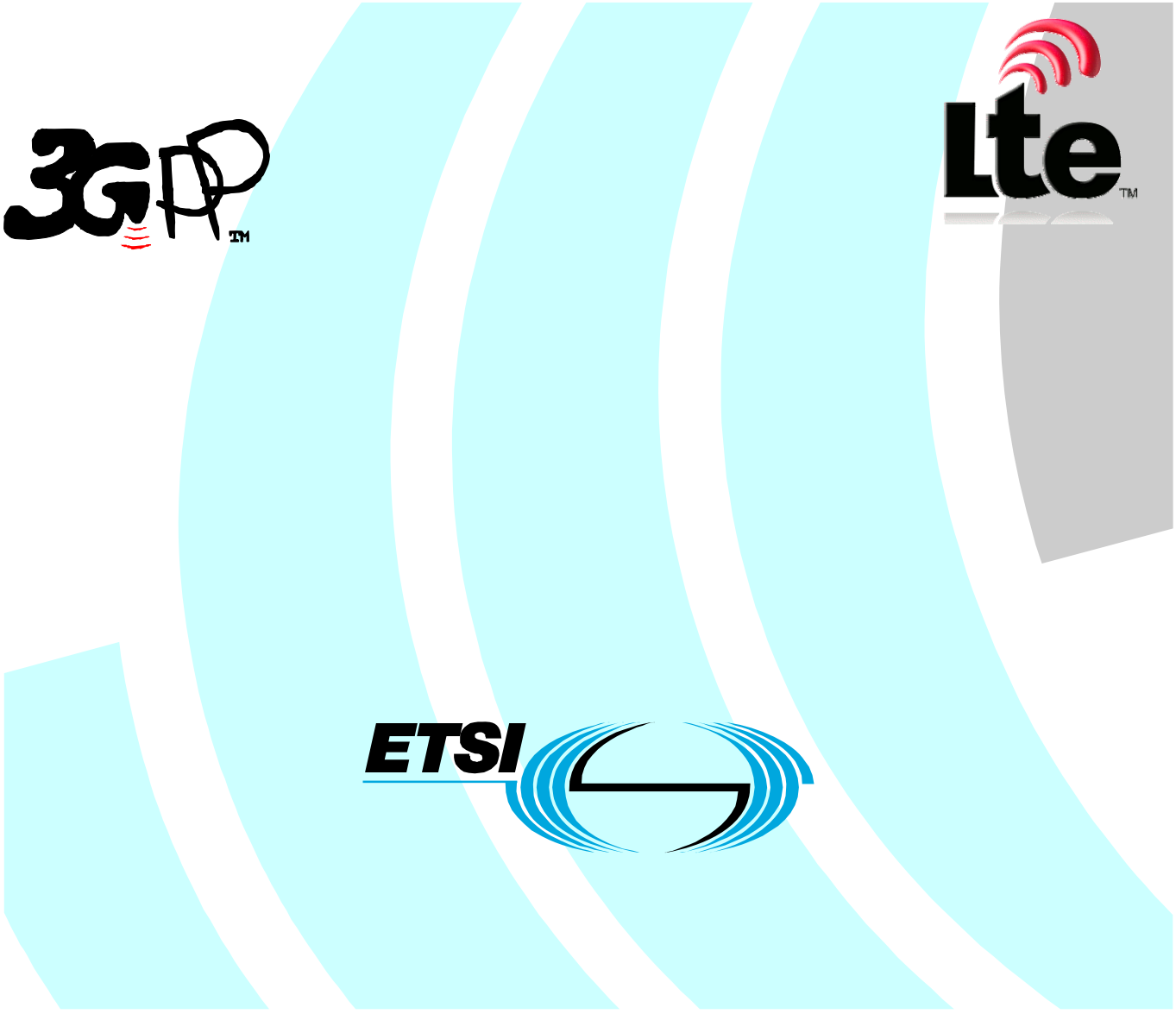
Technical Specification

LTE;
Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC);
User Equipment (UE) conformance specification;
Part 2: Implementation Conformance Statement (ICS) proforma specification
(3GPP TS 36.523-2 version 9.1.2 Release 9)



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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.

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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 2 of a multi-part conformance test specification for User Equipment (UE).

3GPP TS 36.523-1 [19]: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".

3GPP TS 36.523-2: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification". (the present document)

3GPP TS 36.523-3 [20]: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Abstract Test Suite (ATS)".

1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for 3rd Generation User Equipment (UE), in compliance with the relevant EPS (E-UTRA/EPC) requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-1 [24] and ISO/IEC 9646-7 [25].

The present document also specifies a recommended applicability statement for the test cases included in TS 36.523-1 [19]. These applicability statements are based on the features implemented in the UE.

Special conformance testing functions can be found in TS 36.509 [6] and the common test environments are included in 3GPP TS 36.508 [18].

The present document is valid for UE complying with EPS (E-UTRA/EPC) and implemented according to 3GPP releases starting from Release 8 up to the Release indicated on the cover page of the present document.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.
  - For a Release 8 UE, references to 3GPP documents are to version 8.x.y, when available.

Editor's Note: The Reference list is incomplete and some references are still to UMTS specs.

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

[2] 3GPP TS 23.003: "Numbering, Addressing and Identification".

[3] 3GPP TS 23.122: "Non-Access-Stratum functions related to Mobile Station (MS) in idle mode".

[4] 3GPP TS 24.008: "Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3".

[5] 3GPP TS 34.108: "Common Test Environments for User Equipment (UE) Conformance Testing".

[6] 3GPP TS 36.509: " Special conformance testing functions for User Equipment ".

[7] 3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".

[8] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".

[9] 3GPP TS 34.123-3: "User Equipment (UE) conformance specification; Part 3: Abstract Test Suites (ATS)".

[10] 3GPP TS 36.300: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2".

[11] 3GPP TS 36.302: "Services provided by the physical layer for E-UTRA".

[12] 3GPP TS 36.304: "Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE) Procedures in idle mode ".

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

[14] 3GPP TS 36.321: "Evolved Universal Terrestrial Radio Access (E-UTRA) Medium Access Control (MAC) protocol specification".

[15] 3GPP TS 36.322: "Evolved Universal Terrestrial Radio Access (E-UTRA) Radio Link Control (RLC) protocol specification".

[16] 3GPP TS 36.323: "Evolved Universal Terrestrial Radio Access (E-UTRA) Packet Data Convergence Protocol (PDCP) specification".

[17] 3GPP TS 36.331: "Evolved Universal Terrestrial Radio Access (E-UTRA) Radio Resource Control (RRC) Protocol Specification".

[18] 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".

[19] 3GPP TS 36.523-1: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".

[20] 3GPP TS 36.523-3: " Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Abstract Test Suites (ATS)".

[21] 3GPP TR 24.801: "3GPP System Architecture Evolution; CT WG1 Aspects".

[22] 3GPP TS 23.401: "3GPP System Architecture Evolution; GPRS enhancements for E-UTRAN access".

[23] 3GPP TS 51.010-1: "Mobile Station (MS) conformance specification; Part 1: Conformance specification".

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

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

[26] 3GPP2 C.S0024-A-v3.0: "cdma2000 High Rate Packet Data Air Interface Specification".

[27] 3GPP2 C.S0002-A: "Physical Layer Standard for cdma2000 Spread Spectrum Systems – Release A".

[28] 3GPP TS 24.303: "Mobility management based on Dual-Stack Mobile IPv6; Stage 3".

[29] IEEE Std 802.11 (1999): "Standard for Information Technology - Telecommunications and information exchange between systems - Local and Metropolitan Area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications".

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 [24] and ISO/IEC 9646-7 [25]

NOTE: Some terms and abbreviations defined in [24] and [25] 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:

ENB	Evolved Node B
FFS	For Further Study
ICS	Implementation Conformance Statement
IXIT	Implementation eXtra Information for Testing
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
SCS	System Conformance Statement
TC	Test Case
UEUT	User Equipment Under Test

4 Recommended Test Case Applicability

The applicability of each individual test is identified in Table 4-1. 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 Table 1 have the following meaning:

Clause

The clause column indicates the clause number in TS 36.523-1 [19] 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 36.523-1 [19] 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 4-1a.

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.

NOTE 1: More columns may be added in the future if appropriate e.g. Number of test executions, etc.

NOTE 2: To meet the validation requirements from certification bodies then there is a need to uniquely reference the FDD and TDD branch of common FDD and TDD test cases. The FDD and TDD branches of common FDD and TDD test cases can be referenced by amending a "FDD" or "TDD" suffix to the test case clause nunber. For example for AM RLC test case 7.2.3.13 the FDD and TDD branches can be identified by "7.2.3.13 FDD" and "7.2.3.13 TDD".

Table 4-1: Applicability of tests and additional information for testing

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	IDLE MODE					
6.1.1.1	PLMN selection of RPLMN, HPLMN/EHPLMN, UPLMN and OPLMN / Automatic mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.1.4	PLMN selection in shared network environment / Automatic mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.2	Cell selection / $Q_{rxlevmin}$	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.3	Cell selection / Intra E-UTRAN / Serving cell becomes non-suitable (S<0 or barred)	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.4	Cell reselection	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.5	Cell reselection for inter-band operation	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.6	Cell reselection using Q_{hyst}, Q_{offset} and $T_{reselection}$	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.7	Cell reselection / Equivalent PLMN	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.8	Cell reselection using cell status and cell reservations / Access control class 0 to 9	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.9	Cell reselection using cell status and cell reservations / Access control class 11 to15	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.10	Cell reselection in shared network environment	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.11	Inter-frequency cell reselection	Rel-8	R	UEs supporting E-UTRA	pc_eFDD pc_eTDD	
6.1.2.12	Cell reselection / Cell-specific reselection parameters provided by the network in a neighbouring cell list	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.13	Cell re-selection, $S_{intrasearch}$, $S_{intersearch}$	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.1.2.15	Inter-frequency cell reselection according to cell reselection priority provided by SIBs	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
6.2.1.1	Inter-RAT PLMN Selection / Selection of correct RAT for OPLMN / Automatic mode	Rel-8	C34	UEs supporting E-UTRA, UTRA and GERAN	pc_eFDD	
					pc_eTDD	
6.2.1.2	Inter-RAT PLMN Selection / Selection of correct RAT for UPLMN / Automatic mode	Rel-8	C35	UEs supporting E-UTRA, and UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
6.2.1.3	Inter-RAT PLMN Selection / Selection of correct PLMN and RAT in shared network environment / Automatic mode	Rel-8	C35	UEs supporting E-UTRA, and UTRA	pc_eFDD	
					pc_eTDD	
6.2.1.4	Inter-RAT PLMN Selection/ Selection of correct RAT from the OPLMN list/ Manual mode	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD	
					pc_eTDD	
6.2.2.1	Inter-RAT cell selection / From E-UTRA RRC_IDLE to UTRA_Idle / Serving cell becomes non-suitable ($S_{ServingCell}$<0 or barred)	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
6.2.2.2	Inter-RAT cell selection / From E-UTRA RRC_IDLE to GSM_Idle/GPRS Packet_idle / Serving cell becomes non-suitable ($S_{ServingCell}$<0 or barred)	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.2.3	Inter-RAT cell selection / From E-UTRA RRC_IDLE to HRPD Idle / Serving cell becomes non-suitable ($S_{ServingCell}$<0)	Rel-8	C06	UEs supporting E-UTRA and HRPD	pc_eFDD	
					pc_eTDD	
6.2.2.4	Inter-RAT cell selection / From E-UTRA RRC_IDLE to 1xRTT Dormant / Serving cell becomes non-suitable ($S_{ServingCell}$<0)	Rel-8	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD	
					pc_eTDD	
6.2.2.5	Cell selection / No USIM	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
6.2.2.6	Inter-RAT Cell selection / From GSM_Idle/GPRS Packet_idle to E-UTRA_RRC_IDLE / Serving cell becomes non-suitable ($S_{ServingCell}$<0)	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.2.7	Inter-RAT Cell selection / From GSM_Idle/GPRS Packet_idle to E-UTRA_RRC_IDLE ,when the serving cell is barred	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.3.1	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to GSM_Idle/GPRS Packet_Idle	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.3.2	Inter-RAT cell reselection / From GSM_Idle/GPRS Packet_Idle to E-UTRA	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.3.3	Inter-RAT cell reselection / From UTRA_Idle to E-UTRA RRC_IDLE	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
6.2.3.5	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
6.2.3.6	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle according to RAT priority provided by dedicated signalling	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
6.2.3.7	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to HRPD Idle / HRPD cell is higher reselection priority than E-UTRA	Rel-8	C06	UEs supporting E-UTRA and HRPD	pc_eFDD	
					pc_eTDD	
6.2.3.8	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to HRPD Idle / HRPD cell is lower reselection priority than E-UTRA	Rel-8	C06	UEs supporting E-UTRA and HRPD	pc_eFDD	
					pc_eTDD	
6.2.3.13	Inter-RAT cell reselection / From UTRA_Idle to E-UTRA RRC_IDLE according to RAT priority provided by dedicated signalling	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
6.2.3.21	Inter-RAT autonomous cell reselection GPRS Packet_transfer NC0 mode to E-UTRA	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.3.22	Inter-RAT autonomous cell reselection failure GPRS Packet_transfer NC0 mode to E-UTRA	Rel-8	C05	UEs supporting E-UTRA and GSM	pc_eFDD	
					pc_eTDD	
6.2.3.28	Inter-RAT Cell Reselection from GPRS Packet_transfer to E-UTRA (Network Assisted Cell Change)	Rel-8	C66	UEs supporting E-UTRA and GSM and GERAN to E-UTRAN neighbour cell measurements	pc_eFDD	
					pc_eTDD	
6.2.3.30	Inter-RAT Cell Reselection failure from GPRS Packet transfer to E-UTRA (Network Assisted Cell Change)	Rel-8	C66	UEs supporting E-UTRA and GSM and GERAN to E-UTRAN neighbour cell measurements	pc_eFDD	
					pc_eTDD	
6.3.6	Ignoring CSG cells in cell selection/reselection when allowed CSG list is empty or not supported	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
	LAYER 2					
7.1.1.1	CCCH mapped to UL SCH/DL-SCH / Reserved logical channel ID	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.1.2	DTCH or DCCH mapped to UL SCH/DL-SCH / Reserved logical channel ID	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.1	Correct selection of RACH parameters / Random access preamble and PRACH resource explicitly signalled to the UE by RRC / Non-contention based random access procedure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.2	Correct selection of RACH parameters / Random access preamble and PRACH resource explicitly signalled to the UE in PDCCH Order / Non-contention based random access procedure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.3	Correct selection of RACH parameters / Preamble selected by MAC itself / Contention based random access	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	procedure					
					pc_eTDD	
7.1.2.4	Random access procedure / Successful	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.5	Random access procedure / MAC PDU containing multiple RARs	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.6	Maintenance of uplink time alignment	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.7	MAC contention resolution / Temporary C-RNTI	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.8	MAC contention resolution / C-RNTI	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.2.9	MAC backoff indicator	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.1	Correct handling of DL assignment / Dynamic case	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.2	Correct handling of DL assignment / Semi-persistent case	Rel-8	C15	UEs supporting E-UTRA and Feature Group Indicator 3 and 7	pc_eFDD	
					pc_eTDD	
7.1.3.3	MAC PDU header handling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.4	Correct HARQ process handling / DCCH and DTCH	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.5	Correct HARQ process handling / CCCH	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.6	Correct HARQ process handling / BCCH	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.7	MAC padding	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.3.9	MAC reset DL	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.1	Correct handling of UL assignment / Dynamic case	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.2	Correct handling of UL assignment / Semi-persistent case	Rel-8	C18	UEs supporting E-UTRA and Feature Group Indicator 3 and 7	pc_eFDD	
					pc_eTDD	
7.1.4.3	Logical channel prioritization handling	Rel-8	C19	UEs supporting E-UTRA and Feature Group Indicator 6 and 7	pc_eFDD	
					pc_eTDD	
7.1.4.4	Correct handling of MAC control information / Scheduling requests and PUCCH	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.5	Correct handling of MAC control information / Scheduling requests / Random access procedure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.6	Correct handling of MAC control information / Buffer status	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	/ UL data arrive in the UE Tx buffer / Regular BSR					
					pc_eTDD	
7.1.4.7	Correct handling of MAC control information / Buffer status / UL resources are allocated / Padding BSR	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.8	Correct handling of MAC control information / Buffer status / Periodic BSR timer expires	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.10	MAC padding	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.11	Correct HARQ process handling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.12	MAC reset UL	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.1.4.13	MAC PDU header handling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.14	Correct HARQ process handling / TTI bundling	Rel-8	C15	UEs supporting E-UTRA and Feature Group Indiacator 3 and 7	pc_eFDD	
					pc_eTDD	
7.1.4.15	UE power headroom reporting / Periodic reporting	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.4.16	UE power headroom Reporting / DL pathloss change reporting	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.5.1	Inter-TTI PUSCH hopping by uplink grant	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.5.2	Predefined intra-TTI PUSCH hopping (N_sb=1)	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.5.3	Predefined intra-TTI PUSCH hopping (N_sb=2/3/4)	Rel-8	C58	UEs supporting E-UTRA and Feature Group Indiacator 21	pc_eFDD	
					pc_eTDD	
7.1.5.4	Predefined inter-TTI PUSCH hopping (N_sb=1)	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.5.5	Predefined inter-TTI PUSCH hopping (N_sb=2/3/4)	Rel-8	C58	UEs supporting E-UTRA and Feature Group Indiacator 21	pc_eFDD	
					pc_eTDD	
7.1.6.1	DRX operation / Short cycle not configured / Parameters configured by RRC	Rel-8	C08	UEs supporting E-UTRA and Feature Group 5.	pc_eFDD	
					pc_eTDD	
7.1.6.2	DRX operation / Short cycle not configured / DRX command MAC control element reception	Rel-8	C08	UEs supporting E-UTRA and Feature Group 5.	pc_eFDD	
					pc_eTDD	
7.1.7.1.1	DL-SCH transport block size selection / DCI format 1 / RA type 0	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.7.1.2	DL-SCH transport block size selection / DCI format 1 / RA type 1	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
7.1.7.1.3	DL-SCH transport block size selection / DCI format 1A / RA type 2 / Localised VRB	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.7.1.4	DL-SCH transport block size selection / DCI format 1A / RA type 2 / Distributed VRB	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.1.7.1.5	DL-SCH transport block size selection / DCI format 2A / RA type 0 / Two transport blocks enabled / Transport block to codeword swap flag value set to 0	Rel-8	C56	UEs supporting E-UTRA and (UE Category 2 or UE Category 3 or UE Category 4 or UE Category 5)	pc_eFDD	
					pc_eTDD	
7.1.7.1.6	DL-SCH transport block size selection / DCI format 2A / RA type 1 / Two transport blocks enabled / Transport block to codeword swap flag value set to 1	Rel-8	C56	UEs supporting E-UTRA and (UE Category 2 or UE Category 3 or UE Category 4 or UE Category 5)	pc_eFDD	
					pc_eTDD	
7.1.7.2.1	UL-SCH transport block size selection / DCI format 0	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.2.1	UM RLC / Segmentation and reassembly / 5-bit SN / Framing Info Field	Rel-8	C15	UEs supporting E-UTRA and Feature Group Indicator 3 and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.2	UM RLC / Segmentation and reassembly / 10-bit SN / Framing Info Field	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.3	UM RLC / Reassembly / 5-bit SN / LI value > PDU size	Rel-8	C15	UEs supporting E-UTRA and Feature Group Indicator 3 and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.4	UM RLC / Reassembly / 10-bit SN / LI value > PDU size	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.5.1	UM RLC / 5-bit SN / Correct use of sequence numbering	Rel-8	C15	UEs supporting E-UTRA and Feature Group Indicator 3 and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.5.2	UM RLC / 10-bit SN / Correct use of sequence numbering	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.6	UM RLC / Concatenation, segmentation and reassembly	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.7	UM RLC / In sequence delivery of upper layer PDUs without residual loss of RLC PDUs / Maximum re-ordering delay below *t-Reordering*	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.8	UM RLC / In sequence delivery of upper layer PDUs without residual loss of RLC PDUs / Maximum re-ordering delay exceeds *t-Reordering*	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
7.2.2.9	UM RLC / In sequence delivery of upper layer PDUs with residual loss of RLC PDUs / Maximum re-ordering delay exceeds *t-Reordering*	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.10	UM RLC / Duplicate detection of RLC PDUs	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.2.11	UM RLC / RLC re-establishment procedure	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.2.3.1	AM RLC / Concatenation and reassembly	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.2	AM RLC / Segmentation and reassembly / No PDU segmentation	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.3	AM RLC / Segmentation and reassembly / Framing Info Field	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.4	AM RLC / Segmentation and reassembly / Different numbers of length indicators	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.5	AM RLC / Reassembly / LI value > PDU size	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.6	AM RLC / Correct use of sequence numbering	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.7	AM RLC / Control of transmit window	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.8	AM RLC / Control of receive window	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.9	AM RLC / Polling for status	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.10	AM RLC / Receiver status triggers	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.12	Void					
7.2.3.13	AM RLC / Reconfiguration of RLC parameters by upper layers	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.14	AM RLC / In sequence delivery of upper layers PDUs	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.15	AM RLC / Re-ordering of RLC PDU segments	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.16	AM RLC / Re-transmission of RLC PDU without re-segmentation	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.17	AM RLC / Re-segmentation RLC PDU / SO, FI, LSF	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.18	AM RLC / Reassembly / AMD PDU reassembly from AMD PDU segments / SO and LSF	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
7.2.3.19	Void					
7.2.3.20	AM RLC / Duplicate detection of RLC PDUs	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.2.3.21	AM RLC / RLC re-establishment at RRC connection reconfiguration including *mobilityControlInfo* IE	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.1.1	Maintenance of PDCP sequence numbers / User plane / RLC AM	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.1.2	Maintenance of PDCP sequence numbers / User plane / RLC UM / Short PDCP SN (7 bits)	Rel-8	C15	UEs supporting E-UTRA and Feature Group Indicator 3 and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.3.1.3	Maintenance of PDCP sequence numbers / User plane / RLC UM / Long PDCP SN (12 bits)	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.3.3.1	Ciphering and deciphering / Correct functionality of EPS AS encryption algorithms / SNOW3G	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.3.2	Ciphering and deciphering / Correct functionality of EPS UP encryption algorithms / SNOW3G	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.3.3	Ciphering and deciphering / Correct functionality of EPS AS encryption algorithms / AES	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.3.4	Ciphering and deciphering / Correct functionality of EPS UP encryption algorithms / AES	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.4.1	Integrity protection / Correct functionality of EPS AS integrity algorithms / SNOW3G	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.4.2	Integrity protection / Correct functionality of EPS AS integrity algorithms / AES	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.5.1	Void					
7.3.5.2	PDCP handover / Lossless handover / PDCP sequence number maintenance	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.5.3	PDCP handover / Non-lossless handover / PDCP sequence number maintenance	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
7.3.5.4	PDCP handover / Lossless handover / PDCP status report to convey the information on missing or acknowledged PDCP SDUs at handover	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
7.3.5.5	PDCP handover / In-order delivery and duplicate elimination in the downlink	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
7.3.6.1	PDCP discard	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
8	**RADIO RESOURCE CONTROL**					
8.1.1.1	RRC / Paging for connection in idle mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.1.2	RRC / Paging for notification of BCCH modification in idle mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.1.3	RRC / Paging for connection in idle mode / Multiple paging records	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.1.4	RRC / Paging for connection in idle mode / Shared network environment	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.1.6	RRC / BCCH modification in connected mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.1	RRC connection establishment / Ks=1.25 / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.2	RRC connection establishment / Reject with wait time	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.3	RRC connection establishment / Return to idle state after T300 timeout	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.5	RRC connection establishment / 0% access probability for MO calls, no restriction for MO signalling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.7	RRC connection establishment / 0% access probability for AC 0 to 9, AC 10 is barred, AC 11 to 15 are not barred, access for UE with access class in the range 11 to 15 is allowed	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.8	RRC connection establishment / Range of access baring time	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.2.10	Void					
8.1.3.1	RRC connection release / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.3.3	Void					
8.1.3.4	RRC connection release / Redirection to another E-UTRAN frequency	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.3.5	RRC connection release / Success / With priority information	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.1.3.6	RRC connection release / Redirection from E-UTRAN to UTRAN	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
8.1.3.7	RRC connection release / Redirection from UTRAN to E-	Rel-8	C01	UEs supporting E-UTRA and	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	UTRAN			UTRA		

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
8.1.3.8	RRC connection release / Redirection from E-UTRAN to GERAN	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD	
					pc_eTDD	
8.1.3.9	RRC connection release / Redirection from E-UTRAN to HRPD	Rel-8	C06	UEs supporting E-UTRA and HRPD	pc_eFDD	
					pc_eTDD	
8.1.3.10	RRC connection release / Redirection from E-UTRAN to 1xRTT	Rel-8	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD	
					pc_eTDD	
8.2.1.1	RRC connection reconfiguration / Radio bearer establishment for transition from RRC_IDLE to RRC_CONNECTED / Success / Default bearer / Early bearer establishment	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.1.3	RRC connection reconfiguration / Radio bearer establishment / Success / Dedicated bearer	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.1.5	RRC connection reconfiguration / Radio bearer establishment for transition from RRC_IDLE to RRC CONNECTED / Success / Latency check	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.1.6	RRC connection reconfiguration / Radio bearer establishment for transition from RRC_IDLE to RRC CONNECTED / Success / Latency check / SecurityModeCommand and RRCConnectionReconfiguration transmitted in the same TTI	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.1.7	RRC connection reconfiguration / Radio bearer establishment / Success / SRB2	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.2.1	RRC connection reconfiguration / Radio resource reconfiguration / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.2.2	RRC connection reconfiguration / SRB/DRB reconfiguration / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.3.1	RRC connection reconfiguration / Radio bearer release / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.1	RRC connection reconfiguration / Handover / Success / Dedicated preamble	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.2	RRC connection reconfiguration / Handover / Success / Common preamble	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.3	RRC connection reconfiguration / Handover / Success / Intra-cell / Security reconfiguration	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
8.2.4.4	RRC connection reconfiguration / Handover / Failure / Intra-cell / Security reconfiguration	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.5	RRC connection reconfiguration / Handover / All parameters included	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.6	RRC connection reconfiguration / Handover / Success / Inter-frequency	Rel-8	C21	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.2.4.7	RRC connection reconfiguration / Handover / Failure / Re-establishment successful	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.8	RRC connection reconfiguration / Handover / Failure / Re-establishment failure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.2.4.9	RRC connection reconfiguration / Handover / Inter-band blind handover / Success	Rel-8	C21	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.2.4.10	RRC connection reconfiguration / Handover / Between FDD and TDD	Rel-8	C63	UEs supporting E-UTRA FDD and TDD	pc_eFDD AND pc_eTDD	
8.3.1.1	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A1	Rel-8	C09	UEs supporting E-UTRA and Feature Group Indicator 16	pc_eFDD	
					pc_eTDD	
8.3.1.2	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A2	Rel-8	C09	UEs supporting E-UTRA and Feature Group Indicator 16	pc_eFDD	
					pc_eTDD	
8.3.1.3	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A3 (intra and inter-frequency measurements)	Rel-8	C10	UEs supporting E-UTRA and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.3.1.4	Measurement configuration control and reporting / Intra E-UTRAN measurements / Periodic reporting (intra and inter-frequency measurements)	Rel-8	C11	UEs supporting E-UTRA and Feature Group Indicator 16 and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.3.1.5	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous event A3 (intra-frequency measurements)	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.3.1.6	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A2 and A3 (inter-frequency measurements)	Rel-8	C10	UEs supporting E-UTRA and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.3.1.7	Measurement configuration control and reporting / Intra E-UTRAN measurements / Blacklisting	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
8.3.1.8	Measurement configuration control and reporting / Intra E-UTRAN measurements / Handover / IE measurement configuration present	Rel-8	C09	UEs supporting E-UTRA and Feature Group Indicator 16	pc_eFDD	
					pc_eTDD	
8.3.1.9	Measurement configuration control and reporting / Intra E-UTRAN measurements / Intra-frequency handover / IE measurement configuration not present	Rel-8	C11	UEs supporting E-UTRA and Feature Group Indicator 16 and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.3.1.10	Measurement configuration control and reporting / Intra E-UTRAN measurements / Inter-frequency handover / IE measurement configuration not present	Rel-8	C12	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 16 and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
8.3.1.11	Measurement configuration control and reporting / Intra E-UTRAN measurements / Continuation of the measurements after RRC connection re-establishment	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.3.2.1	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of GERAN cells	Rel-8	C20	UEs supporting E-UTRA and GERAN and Feature Group Indicator 16 and Feature Group Indicator 23	pc_eFDD	
					pc_eTDD	
8.3.2.2	Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / Measurement of GERAN cells	Rel-8	C20	UEs supporting E-UTRA, GERAN and Feature Group Indicators 16 and Feature Group Indicator 23	pc_eFDD	
					pc_eTDD	
8.3.2.3	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of UTRAN cells	Rel-8	C13	UEs supporting E-UTRA and UTRA and Feature Group Indicator 16 and Feature Group Indicator 22	pc_eFDD	
					pc_eTDD	
8.3.2.4	Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / Measurement of UTRAN cells	Rel-8	C13	UEs supporting E-UTRA and UTRA and Feature Group Indicator 16 and Feature Group Indicator 22	pc_eFDD	
					pc_eTDD	
8.3.2.5	Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / Measurements of E-UTRAN, UTRAN and GERAN cells	Rel-8	C61	UEs supporting E-UTRA, UTRA, GERAN and Feature Group Indicators 16, Feature Group Indicators 22 and Feature Group Indicators 23	pc_eFDD	
					pc_eTDD	
8.3.2.6	Measurement configuration control and reporting / Inter-RAT measurements / Simultaneous A2 and two B2 / Measurements of E-UTRAN, UTRAN and GERAN cells	Rel-8	C17	UEs supporting E-UTRA, UTRAN, GERAN and Feature Group Indicators 22 and 23	pc_eFDD	
					pc_eTDD	
8.3.2.7	Measurement configuration control and reporting / Inter-	Rel-8	C24	UEs supporting E-UTRA and	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	RAT measurements / Event B2 / Measurement of HRPD cells			HRPD and Feature Group Indicator 16 and Feature Group Indicator 26		
					pc_eTDD	
8.3.2.8	Measurement configuration control and reporting / Inter-RAT measurements / Periodic reporting / Measurement of HRPD cells	Rel-8	C24	UEs supporting E-UTRA and HRPD and Feature Group Indicator 16 and Feature Group Indicator 26	pc_eFDD	
					pc_eTDD	
8.3.2.9	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of 1xRTT cells	Rel-8	C25	UEs supporting E-UTRA and 1xRTT and Feature Group Indicator 16 and Feature Group Indicator 24	pc_eFDD	
					pc_eTDD	
8.3.2.10	Measurement configuration control and reporting / InterRAT measurements / Periodic reporting / Measurement of 1xRTT cells	Rel-8	C25	UEs supporting E-UTRA and 1xRTT and Feature Group Indicator 16 and Feature Group Indicator 24	pc_eFDD	
					pc_eTDD	
8.3.3.1	Measurement configuration control and reporting / SON / ANR / CGI reporting of E-UTRAN cell	Rel-8	C14	UEs supporting E-UTRA and Feature Group Indicator 5 and Feature Group Indicator 17	pc_eFDD	
					pc_eTDD	
8.3.3.2	Measurement configuration control and reporting / SON / ANR / CGI reporting of UTRAN cell	Rel-8	C39	UEs supporting E-UTRA and UTRA and Feature Group Indicator 5 and Feature Group Indicator 19 and Feature Group 22	pc_eFDD	
					pc_eTDD	
8.3.3.3	Measurement configuration control and reporting / SON / ANR / CGI reporting of GERAN cell	Rel-8	C40	UEs supporting E-UTRA and GERAN and Feature Group Indicator 5 and Feature Group Indicator 19 and Feature Group 23	pc_eFDD	
					pc_eTDD	
8.3.3.4	Measurement configuration control and reporting / SON / ANR / CGI reporting of HRPD cell	Rel-8	C44	UEs supporting E-UTRA and HRPD and Feature Group Indicator 5 and Feature Group Indicator 19 and Feature Group Indicator 26	pc_eFDD	
					pc_eTDD	
8.3.3.5	Measurement configuration control and reporting / SON / ANR / CGI reporting of 1xRTT cell	Rel-8	C45	UEs supporting E-UTRA and 1xRTT and Feature Group Indicator 5 and Feature Group Indicator 19 and Feature Group Indicator 24	pc_eFDD	
					pc_eTDD	
8.4.1.2	Inter-RAT handover / From E-UTRA to UTRA PS / Data	Rel-8	C36	UEs supporting E-UTRA and UTRA and Feature Group Indicator 8 and Feature Group	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				Indicator 22		
					pc_eTDD	
8.4.1.4	Inter-RAT handover / From E-UTRA to UTRA HSPA / Data	Rel-8	C36	UEs supporting E-UTRA and UTRA and Feature Group Indicator 8 and Feature Group Indicator 22	pc_eFDD	
					pc_eTDD	
8.4.2.2	Inter-RAT handover / From UTRA PS to E-UTRA / Data	Rel-8	C37	UEs supporting E-UTRA and UTRA and inter-RAT PS handover to E-UTRA from UTRA	pc_eFDD	
					pc_eTDD	
8.4.2.4	Inter-RAT handover / From UTRA HSPA to E-UTRA / Data	Rel-8	C37	UEs supporting E-UTRA and UTRA and inter-RAT PS handover to E-UTRA from UTRA	pc_eFDD	
					pc_eTDD	
8.4.3.2	Inter-RAT cell change order / From E-UTRA data RRC_CONNECTED to GPRS / Without NACC	Rel-8	C38	UEs supporting E-UTRA and GSM and Feature Group Indicator 10	pc_eFDD	
					pc_eTDD	
8.4.7.1	Inter-RAT handover / SRVCC from E-UTRA to 1xRTT(CS) / Speech	Rel-8	C52	UEs supporting E-UTRA and 1xRTT and SRVCC from E-UTRA to 1xRTT (CS)	pc_eFDD	
					pc_eTDD	
8.4.7.3	Pre-registration at 1xRTT and inter-RAT handover / CS fallback from E-UTRA RRC_IDLE to 1xRTT	Rel-8	C41	UEs supporting E-UTRA and 1xRTT and 1xCS fallback	pc_eFDD	
					pc_eTDD	
8.4.7.4	Pre-Registration at 1xRTT and inter-RAT handover / CS fallback caused by addition of CS service / From E-UTRA Data to 1xRTT	Rel-8	C41	UEs supporting E-UTRA and 1xRTT and 1xCS fallback	pc_eFDD	
					pc_eTDD	
8.4.5.4	Pre-registration at HRPD and inter-RAT handover / From E-UTRA to HRPD Active / Data	Rel-8	C42	UEs supporting E-UTRA and HRPD and Feature Group Indicator 12	pc_eFDD	
					pc_eTDD	
8.5.1.1	Radio link failure / RRC connection re-establishment Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.5.1.2	Radio link failure / T301 expiry	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.5.1.3	Radio link failure / T311 expiry	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eRedirection to E-UTRAN / From UTRAN upon reception of RRC CONNECTION REJECTTDD	
8.5.1.4	Radio link failure / RRC connection re-establishment reject	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
8.5.1.5	Radio link failure / Radio link recovery while T310 is	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	running					
					pc_eTDD	
8.5.2.1		Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
8.5.4.1	UE capability transfer / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9	**EPS MOBILITY MANAGEMENT PROCEDURE**					
9.1.1.1	Void					
9.1.1.2	Void					
9.1.2.1	Authentication accepted	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.2.2	Void					
9.1.2.3	Authentication not accepted by the network, GUTI used, authentication reject and re-authentication	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.2.4	Authentication not accepted by the UE / MAC code failure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.2.5	Authentication not accepted by the UE / SQN failure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.2.6	Abnormal cases / Network failing the authentication check	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.3.1	NAS security mode command accepted by the UE	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.3.2	NAS security mode command not accepted by the UE	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.4.2	Identification procedure / IMEI requested	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.1.5.1	EMM information procedure	Rel-8	C51	UEs supporting E-UTRA and supporting the EMM information message	pc_eFDD	
					pc_eTDD	
9.1.5.2	EMM information procedure not supported by the UE	Rel-8	C46	UEs supporting E-UTRA and does not support the EMM information message	pc_eFDD	
					pc_eTDD	
9.2.1.1.1	Attach / Success / Valid GUTI	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.1a	Attach / Success / Last visited TAI, TAI list and equivalent PLMN list handling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.1.1.2	Attach / Success / With IMSI, GUTI reallocation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.4	Attach Procedure / Success / Request for obtaining the IPv4 address of the home agent	Rel-8	C49	UEs supporting E-UTRA and Mobility management based	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				on Dual-Stack Mobile IPv6 and being configured to discover the Home Agent address via DHCPv6		
					pc_eTDD	
9.2.1.1.5	Void					
9.2.1.1.7	Attach / Success / List of equivalent PLMNs in the ATTACH ACCEPT message	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.9	Attach / Rejected / IMSI invalid	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.10	Attach / Rejected / Illegal ME	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.11	Attach / Rejected / EPS services and non-EPS services not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.12	Attach / Rejected / EPS services not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.13	Attach / Rejected / PLMN not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.14	Attach / Rejected / Tracking area not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.15	Attach / Rejected / Roaming not allowed in this tracking area	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.16	Attach / Rejected / EPS services not allowed in this PLMN	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.17	Attach / Rejected / No suitable cells in tracking area	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.18	Attach / Rejected / Not authorized for this CSG	Rel-8	C47	UEs supporting E-UTRA and allowed CSG list and EPS attach (with or without pre-configuration)	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
9.2.1.1.19	Attach / Abnormal case / Failure due to non integrity protection	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.20	Attach / Abnormal case / Access barred because of access class barring or NAS signalling connection establishment rejected by the network	Rei-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.21	Attach / Abnormal case / Success after several attempts due to no network response	Rei-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.22	Attach / Abnormal case / Unsuccessful attach after 5 attempts	Rei-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.23	Attach / Abnormal case / Repeated rejects for network failures	Rei-8	C04	UEs supporting E-UTRA and EPS attach (with or without configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.24	Attach / Abnormal case / Change of cell into a new tracking area	Rei-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.25	Attach / Abnormal case / Mobile originated detach required	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.1.26	Attach / Abnormal case / Detach procedure collision	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.1	Combined attach / Success / EPS and non-EPS services	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.2	Combined attach / Success / EPS services only / IMSI unknown in HSS	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.3	Combined attach / Success / EPS services only / MSC temporarily not reachable	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.4	Combined attach / Success / EPS services only / CS domain not available	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				(with or without pre-configuration)		
					pc_eTDD	
9.2.1.2.5	Combined attach / Rejected / IMSI invalid	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.6	Combined attach / Rejected / Illegal ME	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.7	Combined attach / Rejected / EPS services and non-EPS services not allowed	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.8	Combined attach / Rejected / EPS services not allowed	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.9	Combined attach / Rejected / PLMN not allowed	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.10	Combined attach / Rejected / Tracking area not allowed	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.11	Combined attach / Rejected / Roaming not allowed in this tracking area	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.12	Combined attach / Rejected / EPS services not allowed in this PLMN	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.13	Combined attach / Rejected / No suitable cells in tracking area	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.1.2.14	Combined attach / rejected / Not authorized for this CSG	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				(with or without pre-configuration)		
					pc_eTDD	
9.2.1.2.15	Combined attach / Abnormal case / Handling of the EPS attach attempt counter	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.2.1.1	UE initiated detach / UE switched off	Rel-8	C53	UEs supporting E-UTRA and switch on/off	pc_eFDD	
					pc_eTDD	
9.2.2.1.2	UE initiated detach / USIM removed from the UE	Rel-8	C03	UEs supporting E-UTRA and USIM removal without power down	pc_eFDD, pc_USIM_Removal	
					pc_eTDD, pc_USIM_Removal	
9.2.2.1.6	UE initiated detach / Abnormal case / Local detach after 5 attempts due to no network response	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.2.1.7	UE initiated detach / Abnormal case / Detach procedure collision	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.2.1.8	UE initiated detach / Abnormal case / Detach and EMM common procedure collision	Rel-8	C53	UEs supporting E-UTRA and switch on/off	pc_eFDD	
					pc_eTDD	
9.2.2.1.9	UE initiated detach / Abnormal case / Change of cell into a new tracking area	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.2.2.1	NW initiated detach / Re-attach required	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.2.2.2	NW initiated detach / IMSI detach	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.2.2.14	NW initiated detach / Abnormal case / EMM cause not included	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.1	Normal tracking area update / Accepted	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.2	Normal tracking area update / Accepted / "Active" flag set	Rel-8	R	UEs supporting E-UTRA and EPS only mode of operation	pc_eFDD	
					pc_eTDD	
9.2.3.1.4	Normal tracking area update / List of equivalent PLMNs in the TRACKING AREA UPDATE ACCEPT message	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.5	Periodic tracking area update / Accepted	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
9.2.3.1.6	Normal tracking area update / UE with ISR active moves to E-UTRAN	Rel-8	C27	UEs supporting E-UTRA and UTRAN or GERAN and ISR	pc_eFDD	
					pc_eTDD	
9.2.3.1.8	UE receives an indication that the RRC connection was released with cause "load balancing TAU required"	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.9a	Normal tracking area update / NAS signalling connection recovery	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.10	Normal tracking area update / Rejected / IMSI invalid	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.11	Normal tracking area update / Rejected / Illegal ME	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.12	Normal tracking area update / Rejected / EPS service not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.13	Normal tracking area update / Rejected / UE identity cannot be derived by the network	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.14	Normal tracking area update / Rejected / UE implicitly detached	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.15	Normal tracking area update / Rejected / PLMN not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.16	Normal tracking area update / Rejected / Tracking area not allowed	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.17	Normal tracking area update / Rejected / Roaming not allowed in this tracking area	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.18	Normal tracking area update / Rejected / EPS services not allowed in this PLMN	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.19	Normal tracking area update / Rejected / No suitable cells in tracking area	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.1.20	Normal tracking area update / Rejected / Not authorized	Rel-8	C04	UEs supporting E-UTRA and	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	for this CSG			EPS attach (with or without configuration)		
					pc_eTDD	
9.2.3.1.23	Normal tracking area update / Abnormal case / Success after several attempts due to no network response / TA belongs to TAI list and status is UPDATED	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.25	Normal tracking area update / Abnormal case / Failure after 5 attempts due to no network response	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.26	Normal tracking area update / Abnormal case / TRACKING AREA UPDATE REJECT	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.27	Normal tracking area update / Abnormal case / Change of cell into a new tracking area	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.1.28	Normal tracking area update / Abnormal case / Tracking area updating and detach procedure collision	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.2.1	Combined tracking area update / Successful	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.2	Combined tracking area update / Successful for EPS services only / IMSI unknown in HSS	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.3	Combined tracking area update / Successful for EPS services only / MSC temporarily not reachable	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.6	Combined tracking area update / Rejected / Illegal ME	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.7	Combined tracking area update / Rejected / EPS services and non-EPS services not allowed	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.9	Combined tracking area update / Rejected / UE identity cannot be derived by the network	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.10	Combined tracking area update / Rejected / UE implicitly detached	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
				configuration)		
					pc_eTDD	
9.2.3.2.12	Combined tracking area update / Rejected / Tracking area not allowed	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.2.15	Combined tracking area update / Rejected / No suitable cells in tracking area	Rel-8	C02	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD	
					pc_eTDD	
9.2.3.3.1	First Iu mode to S1 mode inter-system change after attach	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD	
					pc_eTDD	
9.2.3.3.2	Iu mode to S1 mode intersystem change / ISR is active / Expiry of T3312 in E-UTRAN or T3412 in UTRAN and further intersystem change	Rel-8	C59	UEs supporting E-UTRAN and UTRAN and ISR and not CS fallback	pc_eFDD	
					pc_eTDD	
9.2.3.3.5	Periodic routing area update	Rel-8	C27	UEs supporting E-UTRA and UTRAN or GERAN and ISR	pc_eFDD	
					pc_eTDD	
9.2.3.4.1	TAU/RAU procedure for inter-system cell reselection between A/Gb and S1 modes	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD	
					pc_eTDD	
9.3.1.1	Service request initiated by UE for user data	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.2	Void					
9.3.1.3	Service request / Mobile originating CS fallback	Rel-8	C26	UEs supporting E-UTRA and CS fallback	pc_eFDD	
					pc_eTDD	
9.3.1.4	Service request / Rejected / IMSI invalid	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.5	Service request / Rejected / Illegal ME	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.6	Service request / Rejected / EPS services not allowed	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.7	Service request / Rejected / UE identity cannot be derived by the network	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.7a	Service request / Rejected / UE implicitly detached	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.15	Service request / Abnormal case / Tracking area update procedure is triggered	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
9.3.1.16	Service request / Abnormal case / Switch off	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.17	Service request / Abnormal case / Procedure collision	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.1.18	Service request / Rejected / Not authorized for this CSG	Rel-8	C47	UEs supporting E-UTRA and allowed CSG list	pc_eFDD	
					pc_eTDD	
9.3.2.1	Paging procedure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.3.2.2	Paging for CS fallback / Idle mode	Rel-8	C26	UEs supporting E-UTRA and CS fallback	pc_eFDD	
					pc_eTDD	
9.3.2.2a	Paging for CS fallback / Connected mode	Rel-8	C26	UEs supporting E-UTRA and CS fallback	pc_eFDD	
					pc_eTDD	
9.4.1	Integrity protection / Correct functionality of EPS NAS integrity algorithm / SNOW3G	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.4.2	Integrity protection / Correct functionality of EPS NAS integrity algorithm / AES	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.4.3	Ciphering and deciphering / Correct functionality of EPS NAS encryption algorithm / SNOW3G	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
9.4.4	Ciphering and deciphering / Correct functionality of EPS NAS encryption algorithm / AES	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10	**EPS Session Management**					
10.2.1	Dedicated EPS bearer context activation / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.3.1	EPS bearer context modification / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.4.1	EPS bearer context deactivation / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.5.1	UE requested PDN connectivity procedure accepted by the network	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.5.2	Void					
10.5.3	UE requested PDN connectivity procedure not accepted	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.6.1	UE requested PDN disconnect procedure accepted by the network	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.6.2	UE requested PDN disconnect procedure not accepted by the network	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
10.7.1	UE requested bearer resource allocation, accepted by the	Rel-8	C54	UEs supporting E-UTRA and	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	network / New EPS bearer context			ESM UE requested bearer resource allocation procedure		
					pc_eTDD	
10.7.2	UE requested bearer resource allocation accepted by the network / Existing EPS bearer context	Rel-8	C54	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
10.7.3	UE requested bearer resource allocation not accepted by the network	Rel-8	C54	UEs supporting E-UTRA and ESM UE requested bearer resource allocation procedure	pc_eFDD	
					pc_eTDD	
10.7.4	UE requested bearer resource allocation / Expiry of timer T3480	Rel-8	C54	UEs supporting E-UTRA and ESM UE requested bearer resource allocation procedure	pc_eFDD	
					pc_eTDD	
10.7.5	UE requested bearer resource allocation / BEARER RESOURCE ALLOCATION REJECT message including cause #43 "unknown EPS bearer context"	Rel-8	C54	UEs supporting E-UTRA and ESM UE requested bearer resource allocation procedure	pc_eFDD	
					pc_eTDD	
10.8.1	UE requested bearer resource modification accepted by the network / New EPS bearer context	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
10.8.2	UE requested bearer resource modification accepted by the network / Existing EPS bearer context	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
10.8.3	UE requested bearer resource modification not accepted by the network	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
10.8.4	UE requested bearer resource modification / Cause #36 "regular deactivation"	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
10.8.5	UE requested bearer resource modification / BEARER RESOURCE MODIFICATION REJECT message including cause #43 "unknown EPS bearer context"	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
10.8.6	UE requested bearer resource modification / Collision of a UE requested bearer resource modification procedure and EPS bearer context deactivation procedure	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
10.8.7	UE requested bearer resource modification / Expiry of timer T3481	Rel-8	C55	UEs supporting E-UTRA and ESM UE requested bearer resource modification procedure	pc_eFDD	
					pc_eTDD	
11	**General Tests**					
11.1.1	MT-SMS over SGs / Idle mode	Rel-8	C22	UEs supporting E-UTRA and MT SMS over SGs	pc_eFDD	
					pc_eTDD	
11.1.2	MT-SMS over SGs / Active mode	Rel-8	C22	UEs supporting E-UTRA and MT SMS over SGs	pc_eFDD	
					pc_eTDD	
11.1.3	MO-SMS over SGs / Idle mode	Rel-8	C23	UEs supporting E-UTRA and MO SMS over SGs	pc_eFDD	
					pc_eTDD	
11.1.4	MO-SMS over SGs / Active mode	Rel-8	C23	UEs supporting E-UTRA and MO SMS over SGs	pc_eFDD	
					pc_eTDD	
12	**E-UTRA Radio Bearer Tests**					
12.2.1	Data transfer of E-UTRA radio bearer combinations 1, 3, 6 and 9	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
12.2.2	Data transfer of E-UTRA radio bearer combinations 2, 4, 7 and 10	Rel-8	C16	UEs supporting E-UTRA and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
12.2.3	Data transfer of E-UTRA radio bearer combinations 5, 6, 8, 11 and 12	Rel-8	C32	UEs supporting E-UTRA and Feature Group Indicator 7 and Feature Group Indicator 20	pc_eFDD	
					pc_eTDD	
12.2.4	Data transfer of E-UTRA radio bearer combination 13	Rel-8	C33	UEs supporting E-UTRA and Feature Group Indicator 20	pc_eFDD	
					pc_eTDD	
12.3.1	Data transfer of E-UTRA radio bearer combinations 1, 3, 6 and 9 / MIMO	Rel-8	C28	UEs supporting E-UTRA and Feature Group Indicator 1	pc_eFDD	
					pc_eTDD	
12.3.2	Data transfer of E-UTRA radio bearer combinations 2, 4, 7 and 10 / MIMO	Rel-8	C29	UEs supporting E-UTRA and Feature Group Indicator 1 and Feature Group Indicator 7	pc_eFDD	
					pc_eTDD	
12.3.3	Data transfer of E-UTRA radio bearer combinations 5, 6, 8, 11 and 12 / MIMO	Rel-8	C30	UEs supporting E-UTRA and Feature Group Indicator 1 and Feature Group Indicator 7 and Feature Group Indicator 20	pc_eFDD	
					pc_eTDD	
12.3.4	Data transfer of E-UTRA radio bearer combination 13 / MIMO	Rel-8	C31	UEs supporting E-UTRA and Feature Group Indicator 1 and Feature Group Indicator 20	pc_eFDD	
					pc_eTDD	
13	**Multi-layer Procedures**					
13.1.1	Activation and deactivation of additional packet radio	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
	bearer in E-UTRA					
					pc_eTDD	
13.1.3	Call setup from E-UTRAN RRC_CONNECTED / CS fallback to UTRAN with redirection / MT call	Rel-8	C48	UEs supporting E-UTRA and UTRA and CS fallback	pc_eFDD	
					pc_eTDD	
13.1.5	Call setup from E-UTRAN RRC_CONNECTED / CS fallback to UTRAN with Handover / MO call	Rel-8	C67	UEs supporting E-UTRA, UTRA, CS fallback and Feature Group Indicator 8	pc_eFDD	
					pc_eTDD	
13.1.7	Call setup from E-UTRA RRC_IDLE / CS fallback to GSM with redirection / MT call	Rel-8	C57	UEs supporting E-UTRA and GERAN and CS fallback	pc_eFDD	
					pc_eTDD	
13.1.8	Call setup from E-UTRA RRC_CONNECTED / CS fallback to GSM with redirection / MO call	Rel-8	C60	UEs supporting E-UTRA and GERAN and CS fallback	pc_eFDD	
					pc_eTDD	
13.2.1	RRC connection reconfiguration / E-UTRA to E-UTRA	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
13.3.1.1	Intra-system connection re-establishment / Radio link recovery while T310 is running	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
13.3.1.2	Intra-system connection re-establishment / Re-establishment of a new connection when further data is to be transferred	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	
					pc_eTDD	
13.4.1.2	Inter-frequency mobility / E-UTRA to E-UTRA packet	Rel-8	C21	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD	
					pc_eTDD	
13.4.2.1	Inter-system mobility / E-UTRA to UTRA packet	Rel-8	C36	UEs supporting E-UTRA and UTRA and Feature Group Indicator 8 and Feature Group Indicator 22	pc_eFDD	
					pc_eTDD	
14	**ETWS**					
14.1	ETWS reception in RRC_IDLE state / Duplicate detection	Rel-8	C64	UEs supporting E-UTRA and ETWS reception	pc_eFDD	
					pc_eTDD	
14.2	ETWS reception in RRC_CONNECTED state / Duplicate detection	Rel-8	C64	UEs supporting E-UTRA and ETWS reception	pc_eFDD	
					pc_eTDD	
15	**Mobility management based on DSMIPv6 (Dual-Stack Mobile IPv6)**					
15.1	Discovery of the Home Agent via DNS	Rel-8	C34	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6 and being configured to discover the Home Agent address via DNS	pc_eFDD	

Clause	TC Title	Release	Applicability		Additional Information	
			Condition	Comment	Specific ICS	Specific IXIT
					pc_eTDD	
15.2	Discovery of the Home Agent via DHCPv6	Rel-8	C49	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6 and being configured to discover the Home Agent address via DHCPv6	pc_eFDD	
					pc_eTDD	
15.3	Discovery of the Home Agent address via IKEv2 during tunnel setup to ePDG for untrusted non-3GPP accesses	Rel-8	C50	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6 and being configured to discover the Home Agent address via IKEv2	pc_eWLAN	
15.4	Security association establishment with Home Agent reallocation procedure	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.5	Security association establishment without Home Agent reallocation procedure	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.6	Registration of a new IPv6 CoA (Binding Update/Acknowledgment procedure in IPv6 network)	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.7	Registration of a new IPv4 CoA (Binding Update/Acknowledgment procedure in IPv4 network)	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.8	Re-registration of IPv6 CoA	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.9	Re-registration of IPv4 CoA	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.10	Return to home link	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.11	Dual-Stack Mobile IPv6 detach in IPv6 network	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	
15.12	Dual-Stack Mobile IPv6 detach in IPv4 network	Rel-8	C35	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6	pc_eFDD	
					pc_eTDD	

Table 4-1a: Applicability of tests Conditions

C01	IF A.4.1-1/6 THEN R ELSE N/A
C02	IF A.4.4-2/2 THEN R ELSE N/A
C03	IF A.4.4-1/1 THEN R ELSE N/A
C04	IF A.4.4-2/1 THEN R ELSE N/A
C05	IF A.4.1-1/7 THEN R ELSE N/A
C06	IF A.4.1-1/3 THEN R ELSE N/A
C07	IF A.4.1-1/4 THEN R ELSE N/A
C08	IF A.4.5-1/5 THEN R ELSE N/A
C09	IF A.4.5-1/16 THEN R ELSE N/A
C10	IF A.4.5-1/25 THEN R ELSE N/A
C11	IF A.4.5-1/16 AND A.4.5-1/25 THEN R ELSE N/A
C12	IF A.4.5-1/13 AND A.4.5-1/16 AND A.4.5-1/25 THEN R ELSE N/A
C13	IF A.4.1-1/6 AND A.4.5-1/16 AND A.4.5-1/22 THEN R ELSE N/A
C14	IF A.4.5-1/5 AND A.4.5-1/17 THEN R ELSE N/A
C15	IF A.4.5-1/3 AND A.4.5-1/7 THEN R ELSE N/A
C16	IF A.4.5-1/7 THEN R ELSE N/A
C17	IF A.4.1-1/6 AND A.4.1-1/7 AND A.4.5-1/22 AND A.4.5-1/23 THEN R ELSE N/A
C18	IF A.4.5-1/3 THEN R ELSE N/A
C19	IF A.4.5-1/6 AND A.4.5-1/7 THEN R ELSE N/A
C20	IF A.4.1-1/7 AND A.4.5-1/16 AND A.4.5-1/23 THEN R ELSE N/A
C21	IF A.4.5-1/13 AND A.4.5-1/25 THEN R ELSE N/A
C22	IF A.4.4-1/3 THEN R ELSE N/A
C23	IF A.4.4-1/4 THEN R ELSE N/A
C24	IF A.4.1-1/3 AND A.4.5-1/16 AND A.4.5-1/26 THEN R ELSE N/A
C25	IF A.4.1-1/4 AND A.4.5-1/16 AND A.4.5-1/24 THEN R ELSE N/A
C26	IF A.4.2.1.1-1/1 THEN R ELSE N/A
C27	IF (A.4.1-1/6 OR A.4.1-1/7) AND A.4.4-1/5 THEN R ELSE N/A
C28	IF A.4.5-1/1 THEN R ELSE N/A
C29	IF (A.4.5-1/1 AND A.4.5-1/7) THEN R ELSE N/A
C30	IF (A.4.5-1/1 AND A.4.5-1/20) THEN R ELSE N/A
C31	IF (A.4.5-1/1 AND A.4.5-1/7 AND A.4.5-1/20) THEN R ELSE N/A
C32	IF (A.4.5/7 AND A.4.5/20) THEN R ELSE N/A
C33	IF A.4.5/20 THEN R ELSE N/A
C34	IF A.4.4-1/6 AND A.4.4-1/7 THEN R ELSE N/A
C35	IF A.4.4-1/6 THEN R ELSE N/A
C36	IF A.4.1-1/6 AND A.4.5-1/8 AND A.4.5-1/22 THEN R ELSE N/A
C37	IF A.4.1-1/6 AND A.4.4-1/8 THEN R ELSE N/A
C38	IF A.4.1-1/7 AND A.4.5-1/10 THEN R ELSE N/A
C39	IF A.4.5-1/5 AND A.4.5-1/19 AND A.4.5.-1/22 THEN R ELSE N/A
C40	IF A.4.5-1/5 AND A.4.5-1/19 AND A.4.5.-1/23 THEN R ELSE N/A
C41	IF A.4.1-1/4 AND A.4.2.1.1-1/5 THEN R ELSE N/A
C42	IF A.4.1-1/3 AND A.4.5-1/12 THEN R ELSE N/A
C44	IF A.4.1-1/3 AND A.4.5-1/5 AND A.4.5-1/19 AND A.4.5-1/26 THEN R ELSE N/A

C45	IF A.4.1-1/4 AND A.4.5-1/5 AND A.4.5-1/19 AND A.4.5-1/24 THEN R ELSE N/A
C46	IF A.4.1-1/1 OR A.4.1-1/2 AND(NOT A.4.4-1/9) THEN R ELSE N/A
C47	IF A.4.4-1/2 AND A.4.4-2/1THEN R ELSE N/A
C48	IF A.4.1-1/6 AND (A.4.2.1.1-1/2 OR A.4.2.1.1-1/3) THEN R ELSE N/A
C49	IF A.4.4-1/6 AND A.4.4-1/10 THEN R ELSE N/A
C50	IF A.4.1-1/5 AND A.4.4-1/6 AND A.4.4-1/11 THEN R ELSE N/A
C51	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.4-1/9 THEN R ELSE N/A
C52	IF A.4.1-1/4 AND A.4.4-1/16 THEN R ELSE N/A
C53	IF A.4.4-1/17 THEN R ELSE N/A
C54	IF A.4.4-1/18 THEN R ELSE N/A
C55	IF A.4.4-1/19 THEN R ELSE N/A
C56	IF (A.4.3.2-1/2 OR A.4.3.2-1/3 OR A.4.3.2-1/4 OR A.4.3.2-1/5) THEN R ELSE N/A
C57	IF (A4.1-1/1 OR A.4.1-1/2) AND A4.1-1/7 AND A.4.2.1.1-1/1 THEN R ELSE N/A
C58	IF A.4.1-1/21 THEN R ELSE N/A
C59	IF (A.4.1-1/6 OR A.4.1-1/7) AND A.4.4-1/5 AND NOT (A.4.2.1.1-1/1) THEN R ELSE N/A
C60	IF A.4.1-1/7 AND A.4.2.1.1-1/1 THEN R ELSE N/A
C61	IF A.4.1-1/6 AND A.4.1-1/7 AND A.4.5-1/16 AND A.4.5-1/22 AND A.4.5-1/23 THEN R ELSE N/A
C62	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.1-1/6 AND A.4.1-1/7 THEN R ELSE N/A
C63	IF A.4.1-1/1 AND A.4.1-1/2 THEN R ELSE N/A
C64	IF A.4.4-1/20 THEN R ELSE N/A
C65	IF (A.4.1-1/6 OR A.4.1-1/7) AND A.4.4-1/5 AND A.4.2.1.2-1/1 THEN R ELSE N/A
C66	IF [8]A.1/4 AND A.4.4-1/21 THEN R ELSE N/A
C67	IF ([8]A.1/1 OR [8]A.1/2) AND A.4.2.1.1-1/1 AND A.4.5-1/8 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 [25].

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	36.101	Rel-8	pc_eFDD	
2	E-UTRA TDD	36.101	Rel-8	pc_eTDD	
3	HRPD	C.S0024-A	Rel-8	pc_HRPD	
4	1xRTT	C.S0002-A	Rel-8	pc_1xRTT	
5	WLAN	IEEE Std 80 2.11		pc_eWLAN	
6	UTRA	21.904, 5	R99	pc_UTRA	
7	GERAN	21.904, 5	R99	pc_GERAN	

A.4.2 UE Service Capabilities

A.4.2.1 3GPP Standardised UE Service Capabilities

A.4.2.1.1 Bearer Services

Table A.4.2.1.1-1: Definition of Bearer Services

Item	Definition of Bearer Services	Ref.	Release	Mnemonic	Comments
1	Support of CS fallback	24.301	Rel-8	pc_CS_fallback	The UE supports CS fallback for voice calls. If true, pc_CS and at least one of pc_FDD, pc_TDD_HCR, pc_TDD_LCR, pc_TDD_VHCR or pc_UMTS_GSM is also true.
2	Support of registration to CS for SMS only	24.301	Rel-8	pc _CS_SMS_only	The UE supports registration for SMS only. If true, pc_CS_fallback is false, and at least one of pc_SMS_SGs_MT and pc_SMS_SGs_MO is true.
3	Support of 1xCS fallback	24.301	Rel-8	pc_1xCSfallback	
NOTE : A UE may support one or more of bearer service 1, 2, 3 or 4.					

A.4.3 Baseline Implementation Capabilities

Table A.4.3-1: Supported protocols

Item	Supported protocols	Ref.	Release	Mnemonic	Comments
1	EPS Mobility Management	24.301, 5	Rel-8		
2	EPS Session Management	24.301, 6	Rel-8		
3	Radio Resource Control	36.331	Rel-8		
4	Packet Data Convergence Protocol	36.323	Rel-8		
5	Radio Link Control	36.322	Rel-8		
6	Medium Access Control	36.321	Rel-8		
7	Physical Layer	36.201	Rel-8		

Table A.4.3-2: Special Conformance Testing Functions

Item	Special Conformance Testing Functions	Ref.	Release	Comments
1	UE test loop	36.509	Rel-8	
2	Max UE test loop UL RLC SDU size 65535 bits	36.509	Rel-8	

A.4.3.1 RF Baseline Implementation Capabilities

Table A.4.3.1-1: FDD RF Baseline Implementation Capabilities

Item	FDD (DS) RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	Frequency band: 1920-1980, 2110-2170 MHz	36.101, 5.1	R8	pc_eBand1_Supp	Band 1
2	Frequency band: 1850-1910, 1930-1990 MHz	36.101, 5.1	R8	pc_eBand2_Supp	Band 2
3	Frequency band: 1710-1785, 1805-1880 MHz	36.101, 5.1	R8	pc_eBand3_Supp	Band 3
4	Frequency band: 1710-1755, 2110-2155 MHz	36.101, 5.1	R8	pc_eBand4_Supp	Band 4
5	Frequency band: 824–849, 869-894 MHz	36.101, 5.1	R8	pc_eBand5_Supp	Band 5
6	Frequency band: 830-840, 875-885 MHz	36.101, 5.1	R8	pc_eBand6_Supp	Band 6
7	Frequency band: 2500-2570, 2620-2690 MHz	36.101, 5.1	R8	pc_eBand7_Supp	Band 7
8	Frequency band: 880-915, 925-960 MHz	36.101, 5.1	R8	pc_eBand8_Supp	Band 8
9	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	36.101, 5.1	R8	pc_eBand9_Supp	Band 9
10	Frequency band: 1710-1770, 2110-2170 MHz	36.101, 5.1	R8	pc_eBand10_Supp	Band 10
11	Frequency band: 1427.9-1452.9, 1475.9-1500.9 MHz	36.101, 5.1	R8	pc_eBand11_Supp	Band 11
12	Frequency band: 698-716, 728-746 MHz	36.101, 5.1	R8	pc_eBand12_Supp	Band 12
13	Frequency band: 777-787, 746-756 MHz	36.101, 5.1	R8	pc_eBand13_Supp	Band 13
14	Frequency band: 788-798, 758-768 MHz	36.101, 5.1	R8	pc_eBand14_Supp	Band 14
15	Reserved				
16	Reserved				
17	Frequency band: 704-716, 734-746 MHz	36.101, 5.1	R8	pc_eBand17_Supp	Band 17
18	Frequency band: 815-830, 860-875 MHz	36.101, 5.1	R9	pc_eBand18_Supp	Band 18
19	Frequency band: 830-845, 875-890 MHz	36.101, 5.1	R9	pc_eBand19_Supp	Band 19
20	Frequency band: 832-862, 791-821 MHz	36.101, 5.1	R9	pc_eBand20_Supp	Band 20
21	Frequency band: 1447.9-1462.9, 1495.9-1510.9 MHz	36.101, 5.1	R9	pc_eBand21_Supp	Band 21

Table A.4.3.1-2: TDD RF Baseline Implementation Capabilities

Item	TDD RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	Frequency band: 1900-1920 MHz	36.101, 5.1	R8	pc_eBand33_Supp	Band 33
2	Frequency band: 2010- 2025 MHz	36.101, 5.1	R8	pc_eBand34_Supp	Band 34
3	Frequency band: 1850-1910 MHz	36.101, 5.1	R8	pc_eBand35_Supp	Band 35
4	Frequency band: 1930-1990 MHz	36.101, 5.1	R8	pc_eBand36_Supp	Band 36
5	Frequency band: 1910-1930 MHz	36.101, 5.1	R8	pc_eBand37_Supp	Band 37
6	Frequency band: 2570-2620 MHz	36.101, 5.1	R8	pc_eBand38_Supp	Band 38
7	Frequency band: 1880-1920 MHz	36.101, 5.1	R8	pc_eBand39_Supp	Band 39
8	Frequency band: 2300-2400 MHz	36.101, 5.1	R8	pc_eBand40_Supp	Band 40

A.4.3.2 Physical Layer Baseline Implementation Capabilities

Table A.4.3.2-1: UE Category

Item	UE Category	Ref.	Release	Mnemonic	Comments
1	Category 1	36.306, 4.1	R8	pc_ue_Category_1	
2	Category 2	36.101, 4.1	R8	pc_ue_Category_2	
3	Category 3	36.101, 4.1	R8	pc_ue_Category_3	
4	Category 4	36.101, 4.1	R8	pc_ue_Category_4	
5	Category 5	36.101, 4.1	R8	pc_ue_Category_5	

A.4.4 Additional information

Table A.4.4-1: Additional information

Item	Additional information	Ref.	Release	Mnemonic	Comments
1	Support of USIM removal without power down		Rel-8	pc_USIM_Removal	
2	Support of Allowed CSG list	36.331 Annex B.2	Rel-8	pc_Allowed_CSG_list	
3	Support of Short Message Service (SMS) MT over SGs	23.272, 8.2.4, 8.2.5	Rel-8	pc_SMS_SGs_MT	
4	Support of Short Message Service (SMS) MO over SGs	23.272, 8.2.2, 8.2.3	Rel-8	pc_SMS_SGs_MO	
5	Support of ISR	23.401, 4.3.5.6	Rel-8	pc_ISR	
6	Support of Mobility management based on Dual-Stack Mobile IPv6	24.303	Rel-8	pc_DSMIPv6	
7	Support for being configured to discover the Home Agent address via DNS	24.303	Rel-8	pc_HAAddress_via_DNS	
8	Support of inter-RAT PS handover to E-UTRA from UTRA	25.306, 4.7	Rel-8	pc_HO_from_UTRA	
9	Support of EMM information message	24.301, 5.4.5.3	Rel-8	pc_EMM_Information	
10	Support for being configured to discover the Home Agent address via DHCPv6	24.303	Rel-8	pc_HAAddress_via_DHCPv6	
11	Support for being configured to discover the Home Agent address via IKEv2	24.303	Rel-8	pc_HAAddress_via_IKEv2	
12	Upon reception of 'Full name for network' information the UE stores/updates the network full name	24.301, 8.2.13	Rel-8	pc_FullNameNetwork	
13	Upon reception of 'Short name for network' information the UE stores/updates the network short name	24.301, 8.2.13	Rel-8	pc_ShortNameNetwork	
14	Upon reception of 'Local time zone' information the UE stores/updates the local time zone	24.301, 8.2.13	Rel-8	pc_LocalTimeZone	
15	Upon reception of 'Universal time and local time zone' information the UE stores/updates the universal time and local time zone	24.301, 8.2.13	Rel-8	pc_UniversalAndLocalTimeZone	
16	Support of SRVCC from E-UTRA to 1xRTT (CS)	23.216, 6.1.3	Rel-8	pc_SRVCC_1xRTT_CS	
17	Support of switch on/off		Rel-8	pc_SwitchOnOff	
18	Support of ESM UE requested bearer resource allocation procedure	24.301, 6.5.3	Rel-8	pc_ESM_MO_Bearer_Allocation	
19	Support of ESM UE requested bearer resource modification procedure	24.301, 6.5.4	Rel-8	pc_ESM_MO_Bearer_Modification	
20	Support of ETWS message	23.401, 5.12.2	Rel-8	pc_ETWS_message	
21	Supports Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN and E-UTRAN Neighbour Cell measurements and MS autonomous cell reselection to E-UTRAN	24.008, 10.5.5.12a	Rel-8	pc_GERAN_2_E_UTRAN_meas	

Table A.4.4-2: Definition of UE implementation capabilities

Item	Definition of UE implementation capabilities	Ref.	Release	Mnemonic	Comments
1	Support EPS attach (with or without pre-configuration)	24.301	Rel-8	pc_attach	UE supports to be configured to initiate EPS attach or will always initiate EPS attach.
2	Support combined EPS/IMSI attach (with or without pre-configuration)	24.301	Rel-8	pc_combined_attach	UE supports to be configured to initiate combined EPS/IMSI attach or will always initiate combined EPS/IMSI attach. A UE supporting CSFB or other CS service shall set this PICS to true.

A.4.5 Feature group indicators

Table A.4.5-1: Feature group indicators

Item	Additional information	Notes	Ref.	Release	Mnemonic	Comments
1	Support of - Intra-subframe frequency hopping for PUSCH scheduled by UL grant - DCI format 3a (TPC commands for PUCCH and PUSCH with single bit power adjustments) - Multi-user MIMO for PDSCH - Aperiodic CQI/PMI/RI reporting on PUSCH: Mode 2-0 – UE selected subband CQI without PMI - Aperiodic CQI/PMI/RI reporting on PUSCH: Mode 2-2 – UE selected subband CQI with multiple PMI		36.331, Annex B.1	Rel-8	pc_FeatrGrp_1	Corresponding to the Index of Indicator, the leftmost binary bit 1 Set to true if supporting all functionalities in the feature group
2	Support of - Simultaneous CQI and ACK/NACK on PUCCH, i.e. PUCCH format 2a and 2b - Absolute TPC command for PUSCH - Resource allocation type 1 for PDSCH - Periodic CQI/PMI/RI reporting on PUCCH: Mode 2-0 – UE selected subband CQI without PMI - Periodic CQI/PMI/RI reporting on PUCCH: Mode 2-1 – UE selected subband CQI with single PMI		36.331, Annex B.1	Rel-8	pc_FeatrGrp_2	Corresponding to the Index of Indicator, the leftmost binary bit 2 Set to true if supporting all functionalities in the feature group

3	Support of - Semi-persistent scheduling - TTI bundling - 5bit RLC UM SN - 7bit PDCP SN	- can only be set to 1 if the UE has set bit number 7 to 1.	36.331, Annex B.1	Rel-8	pc_FeatrGrp_3	Corresponding to the Index of Indicator, the leftmost binary bit 3 Set to true if supporting all functionalities in the feature group
4	Support of - Short DRX cycle	- can only be set to 1 if the UE has set bit number 5 to 1.	36.331, Annex B.1	Rel-8	pc_FeatrGrp_4	Corresponding to the Index of Indicator, the leftmost binary bit 4 Set to true if supporting all functionalities in the feature group
5	Support of - Long DRX cycle - DRX command MAC control element		36.331, Annex B.1	Rel-8	pc_FeatrGrp_5	Corresponding to the Index of Indicator, the leftmost binary bit 5 Set to true if supporting all functionalities in the feature group
6	Support of - Prioritized bit rate		36.331, Annex B.1	Rel-8	pc_FeatrGrp_6	Corresponding to the Index of Indicator, the leftmost binary bit 6 Set to true if supporting all functionalities in the feature group
7	Support of - RLC UM	- can only be set to 0 if the UE does not support voice	36.331, Annex B.1	Rel-8	pc_FeatrGrp_7	Corresponding to the Index of Indicator, the leftmost binary bit 7 Set to true if supporting all functionalities in the feature group
8	Support of - EUTRA RRC_CONNECTED to UTRA CELL_DCH PS handover	- can only be set to 1 if the UE has set bit number 22 to 1	36.331, Annex B.1	Rel-8	pc_FeatrGrp_8	Corresponding to the Index of Indicator, the leftmost binary bit 8 Set to true if supporting all functionalities in the feature group
9	Support of - EUTRA RRC_CONNECTED to GERAN GSM_Dedicated handover	- related to SR-VCC - can only be set to 1 if the UE has set bit number 23 to 1	36.331, Annex B.1	Rel-8	pc_FeatrGrp_9	Corresponding to the Index of Indicator, the leftmost binary bit 9 Set to true if supporting all functionalities in the feature group

10	Support of - EUTRA RRC_CONNECTED to GERAN (Packet_)Idle by Cell Change Order - EUTRA RRC_CONNECTED to GERAN (Packet_)Idle by Cell Change Order with NACC (Network Assisted Cell Change)		36.331, Annex B.1	Rel-8	pc_FeatrGrp_10	Corresponding to the Index of Indicator, the leftmost binary bit 10 Set to true if supporting all functionalities in the feature group
11	Support of - EUTRA RRC_CONNECTED to CDMA2000 1xRTT CS Active handover	- can only be set to 1 if the UE has sets bit number 24 to 1	36.331, Annex B.1	Rel-8	pc_FeatrGrp_11	Corresponding to the Index of Indicator, the leftmost binary bit 11 Set to true if supporting all functionalities in the feature group
12	Support of - EUTRA RRC_CONNECTED to CDMA2000 HRPD Active handover	- can only be set to 1 if the UE has set bit number 26 to 1	36.331, Annex B.1	Rel-8	pc_FeatrGrp_12	Corresponding to the Index of Indicator, the leftmost binary bit 12 Set to true if supporting all functionalities in the feature group
13	Support of - Inter-frequency handover -	- can only be set to 1 if the UE has set bit number 25 to 1	36.331, Annex B.1	Rel-8	pc_FeatrGrp_13	Corresponding to the Index of Indicator, the leftmost binary bit 13 Set to true if supporting all functionalities in the feature group
14	Support of - Measurement reporting event: Event A4 – Neighbour > threshold - Measurement reporting event: Event A5 – Serving < threshold1 & Neighbour > threshold2		36.331, Annex B.1	Rel-8	pc_FeatrGrp_14	Corresponding to the Index of Indicator, the leftmost binary bit 14 Set to true if supporting all functionalities in the feature group
15	Support of - Measurement reporting event: Event B1 – Neighbour > threshold	- can only be set to 1 if the UE has set at least one of the bit number 22, 23, 24 or 26 to 1.	36.331, Annex B.1	Rel-8	pc_FeatrGrp_15	Corresponding to the Index of Indicator, the leftmost binary bit 15 Set to true if supporting all functionalities in the feature group
16	Support of - Periodical measurement reporting for non-ANR related measurements		36.331, Annex B.1	Rel-8	pc_FeatrGrp_16	Corresponding to the Index of Indicator, the leftmost binary bit 16 Set to true if supporting all functionalities in the feature group

17	Support of - Periodical measurement reporting for SON / ANR - ANR related intra-frequency measurement reporting events	- can only be set to 1 if the UE has set bit number 5 to 1.	36.331, Annex B.1	Rel-8	pc_FeatrGrp_17	Corresponding to the Index of Indicator, the leftmost binary bit 17 Set to true if supporting all functionalities in the feature group
18	Support of - ANR related inter-frequency measurement reporting events	- can only be set to 1 if the UE has set bit number 5 to 1.	36.331, Annex B.1	Rel-8	pc_FeatrGrp_18	Corresponding to the Index of Indicator, the leftmost binary bit 18 Set to true if supporting all functionalities in the feature group
19	Support of - ANR related inter-RAT measurement reporting events	- can only be set to 1 if the UE has set bit number 5 to 1.	36.331, Annex B.1	Rel-8	pc_FeatrGrp_19	Corresponding to the Index of Indicator, the leftmost binary bit 19 Set to true if supporting all functionalities in the feature group
20	If bit number 7 is set to '0': - SRB1 and SRB2 for DCCH + 8x AM DRB If bit number 7 is set to '1': - SRB1 and SRB2 for DCCH + 8x AM DRB - SRB1 and SRB2 for DCCH + 5x AM DRB + 3x UM DRB NOTE: UE which indicate support for a DRB combination also support all subsets of the DRB combination. Therefore, release of DRB(s) never results in an unsupported DRB combination.	- Regardless of what bit number 7 and bit number 20 is set to, UE shall support at least SRB1 and SRB2 for DCCH + 4x AM DRB - Regardless of what bit number 20 is set to, if bit number 7 is set to '1', UE shall support at least SRB1 and SRB2 for DCCH + 4x AM DRB + 1x UM DRB	36.331, Annex B.1	Rel-8	pc_FeatrGrp_20	Corresponding to the Index of Indicator, the leftmost binary bit 20 Set to true if supporting all functionalities in the feature group
21	Support of - Predefined intra- and inter-subframe frequency hopping for PUSCH with N_sb > 1 - Predefined inter-subframe frequency hopping for PUSCH with N_sb > 1		36.331, Annex B.1	Rel-8	pc_FeatrGrp_21	Corresponding to the Index of Indicator, the leftmost binary bit 21 Set to true if supporting all functionalities in the feature group

22	Support of - UTRAN measurements, reporting and measurement reporting event B2 in E-UTRA connected mode		36.331, Annex B.1	Rel-8	pc_FeatrGrp_22	Corresponding to the Index of Indicator, the leftmost binary bit 22 Set to true if supporting all functionalities in the feature group
23	Support of - GERAN measurements, reporting and measurement reporting event B2 in E-UTRA connected mode		36.331, Annex B.1	Rel-8	pc_FeatrGrp_23	Corresponding to the Index of Indicator, the leftmost binary bit 23 Set to true if supporting all functionalities in the feature group
24	Support of - 1xRTT measurements, reporting and measurement reporting event B2 in E-UTRA connected mode		36.331, Annex B.1	Rel-8	pc_FeatrGrp_24	Corresponding to the Index of Indicator, the leftmost binary bit 24 Set to true if supporting all functionalities in the feature group
25	Support of - Inter-frequency measurements and reporting in E-UTRA connected mode		36.331, Annex B.1	Rel-8	pc_FeatrGrp_25	Corresponding to the Index of Indicator, the leftmost binary bit 25 Set to true if supporting all functionalities in the feature group
26	Support of - HRPD measurements, reporting and measurement reporting event B2 in E-UTRA connected mode		36.331, Annex B.1	Rel-8	pc_FeatrGrp_26	Corresponding to the Index of Indicator, the leftmost binary bit 26 Set to true if supporting all functionalities in the feature group
27	Support of - EUTRA RRC_CONNECTED to UTRA CELL_DCH CS handover	- related to SR-VCC - can only be set to 1 if the UE has set bit number 8 to 1	36.331, Annex B.1	Rel-8	pc_FeatrGrp_27	Corresponding to the Index of Indicator, the leftmost binary bit 27 Set to true if supporting all functionalities in the feature group

Annex B (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2007-11	-	-	-	-	Initial version		0.0.1
2008-02	-	-	-	-	Addition applicability 6 new LTE RRC test cases.	0.0.1	0.1.0
2008-04	-	-	-	-	Editorial corrections	0.1.0	0.1.1
2008-05	-	-	-	-	Extend the Applicability table scope with additional information for testing which may include: - relevant per TC Specific PICS statements - relevant per TC Specific PIXIT statements Updated TC applicability with contributions to RAN5#39	0.1.1	0.2.0
2008-06	-	-	-	-	- Added TCs agreed at RAN5#39bis - Updating TCs names, numbers, removed TCs deleted from the TC list - Editorial update	0.2.0	0.3.0
2008-09	RP-41	RP-080595	-	-	Submitted for information. Update in accordance with RAN5#40 (Editorial update and input from R5-083453, R5-083517, R5-083654)	0.3.0	1.0.0
2008-09	post RAN5#40	-	-	-	Update to reflect the agreed during the RAN5#40 extended e-mail agreement input: - All agreed new TCs added - One modified TCs title reflected	1.0.0	1.0.1
2008-10	post RAN5#40 bis	-	-	-	- Added new agreed at RAN5#40bis TCs - Removed TCs that are removed from the LTE/SAE WP (R5-084008) - Added TCs that exist as 80% completed in the LTE/SAE WP (R5-084008) but do not exist in 36.523-2 - Modified agreed RAN5#40bis new TC numbers - Updated TCs titles to match those in the LTE/SAE WP (R5-084008)	1.0.1	1.1.0
2008-11	Post RAN5#41	-	-	-	R5-085361: - New TCs added to applicability table - TCs titles updated - TC 9.2.2.1.2 removed from applicability table - Table for provision of test loops added - Editorial changes	1.1.0	2.0.0
2008-12	RAN#42	RP-080860			Approval of version 2.0.0 at RAN#42, then put to version 8.0.0.	2.0.0	8.0.0
2008-01					Editorial corrections.	8.0.0	8.0.1
2009-03	RAN#43	R5-090101	0001	-	Removal of reference to 11-bit Length Indicator in E-UTRA RLC test cases	8.0.1	8.1.0
2009-03	RAN#43	R5-090292	0002	1	Applicability of new E-UTRA PDCP test case - 7.3.5.4	8.0.1	8.1.0
2009-03	RAN#43	R5-090569	0003	-	Updating applicability table with input relevant to agreed at RAN5#41bis 36.523-1 CRs	8.0.1	8.1.0
2009-03	RAN#43	R5-090668	0004	-	Batch 1B - Applicability of new E-UTRA PDCP test cases	8.0.1	8.1.0
2009-03	RAN#43	R5-090737	0005	-	Update of Applicability table for EPS mobility management test cases	8.0.1	8.1.0
2009-03	RAN#43	R5-090738	0006	-	Batch 1: Applicablility for new MAC test cases 7.1.3.9 & 7.1.4.12	8.0.1	8.1.0
2009-03	RAN#43	R5-090751	0007	-	Addition of Applicability new LTE test cases	8.0.1	8.1.0
2009-05	RAN#44	R5-092056	0008		GCF Priority 2 - Adding TC 9.1.2.5 to applicability	8.1.0	8.2.0
2009-05	RAN#44	R5-092091	0009		GCF Priority 2 - Addition of applicability statement for E-UTRAN test case 6.1.2.7 for Cell reselection: Equivalent PLMN	8.1.0	8.2.0
2009-05	RAN#44	R5-092116	0010		GCF Priority 1 - Applicability of new E-UTRA MAC test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092117	0011		GCF Priority 1 - Proposal to remove E-UTRA RLC test case 7.2.3.19 (Part 2)	8.1.0	8.2.0
2009-05	RAN#44	R5-092207	0012		GCF Priority 2 - Addition of applicability for new EMM test case	8.1.0	8.2.0
2009-05	RAN#44	R5-092215	0013		GCF Priority 2 - Addition of applicability for new idle mode and RRC test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092254	0014		Update of Applicability table for agreed EMM test cases in RAN5#42bis	8.1.0	8.2.0
2009-05	RAN#44	R5-092255	0015		GCF Priority 2 - Applicability for new idle mode test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092279	0016		Addition of Applicability New LTE Test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092404	0017		GCF priority 2: Applicability statements for the new MAC DRX test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092407	0018		GCF Priority 2 - Addition of applicability for UM RLC test case 7.2.2.11	8.1.0	8.2.0
2009-05	RAN#44	R5-092415	0019		GCF Priority 2: Applicability of new EMM test cases	8.1.0	8.2.0

2009-05	RAN#44	R5-092416	0020		GCF Priority 2: Applicability of new Cell Selection test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092424	0021		Addition of LTE Operating Band Capabilities for FDD Mode Test frequencies	8.1.0	8.2.0
2009-05	RAN#44	R5-092432	0022		GCF Priority 2 - Addition of Applicability statement for MAC test case 7.1.4.14	8.1.0	8.2.0
2009-05	RAN#44	R5-092433	0023		GCF Priority 2: Applicability of new Cell Reselection test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092448	0024		Update of Applicability for Feature Group Indicators	8.1.0	8.2.0
2009-05	RAN#44	R5-092450	0025		GCF Priority 1 - Update of applicability for RRC part 3 test cases based on Feature Group Indicators	8.1.0	8.2.0
2009-05	RAN#44	R5-092508	0026		Missing applicability of EMM/ESM test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092509	0027		Applicability of new EMM & ESM test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092586	0028		GCF Priority 1 - Update of applicability for RLC test cases	8.1.0	8.2.0
2009-05	RAN#44	R5-092769	0029		GCF Priority 2 - Applicability of new RRC test case 8.3.2.6	8.1.0	8.2.0
2009-05	RAN#44	R5-092770	0030		GCF Priority 2 - Update of applicability for MAC test cases based on Feature Group Indicators	8.1.0	8.2.0
2009-05	RAN#44	R5-092783	0031		Addition of applicability for new idle mode CSG test cases	8.1.0	8.2.0
2009-09	RAN#45	R5-094183	0032	-	Missing TCs applicability in 36-523-2	8.2.0	8.3.0
2009-09	RAN#45	R5-094206	0033	-	GCF Priority 3 - Remove RRC test case 8.1.3.3 applicability	8.2.0	8.3.0
2009-09	RAN#45	R5-094302	0034	1	Update of Feature Group Indicators	8.2.0	8.3.0
2009-09	RAN#45	R5-094404	0035	-	GCF Priority 2 - Applicability Statement for 8.3.2.1	8.2.0	8.3.0
2009-09	RAN#45	R5-094535	0036	-	Update of Applicability for PDCP tc based on FGI	8.2.0	8.3.0
2009-09	RAN#45	R5-094683	0037	-	GCF Priority 2 - Update of applicability for RLC test case 7.2.2.11	8.2.0	8.3.0
2009-09	RAN#45	R5-094722	0038	-	Correction of TC titles on RRC part 2 (8.2 RRC Connection Reconfiguration)	8.2.0	8.3.0
2009-09	RAN#45	R5-094727	0039	1	Update of test case applicability for feature group indicators for RRC part 2 (8.2 RRC Connection Reconfiguration)	8.2.0	8.3.0
2009-09	RAN#45	R5-095033	0040	-	GCF Priority 2 - Addition of applicability for new SMS over SGs test cases	8.2.0	8.3.0
2009-09	RAN#45	R5-095224	0041	1	GCF Priority 2 - Update of applicability for LTE-C2k interworking test cases	8.2.0	8.3.0
2009-09	RAN#45	R5-095225	0042	1	Corrections to PICS for PS and CS registration and applicability of EMM test cases	8.2.0	8.3.0
2009-09	RAN#45	R5-095226	0043	1	merge of 36.523-2 EMM CRs from RAN5#44	8.2.0	8.3.0
2009-09	RAN#45	R5-095229	0044	-	Applicability for Idle Mode test cases	8.2.0	8.3.0
2009-11	GERAN #44	GP-092406	0045	-	Addition of new Test Case 6.2.3.21	8.3.0	8.4.0
2009-12	RAN#46	R5-095479	0046	-	Applicability of new TC 6.2.3.6	8.3.0	8.4.0
2009-12	RAN#46	R5-095480	0047	-	Applicability of new/removed RRC Part 2 test cases	8.3.0	8.4.0
2009-12	RAN#46	R5-095483	0048	-	Applicability of new ESM test cases	8.3.0	8.4.0
2009-12	RAN#46	R5-095526	0049	-	GCF Priority 1 - Update of RLC test case applicability	8.3.0	8.4.0
2009-12	RAN#46	R5-095673	0050	-	Applicability for new IDLE MODE test case 6.1.2.13	8.3.0	8.4.0
2009-12	RAN#46	R5-095797	0051	-	Addition of applicability for new DSMIPv6 test cases	8.3.0	8.4.0
2009-12	RAN#46	R5-095989	0052	-	Wrong reference in TC applicability condition C01	8.3.0	8.4.0
2009-12	RAN#46	R5-096064	0053	-	GCF Priority 1 - Corrections to MAC test case applicability	8.3.0	8.4.0
2009-12	RAN#46	R5-096119	0054	2	Applicability for section 8.4 RRC Inter-RAT test cases NTT DOCOMO	8.3.0	8.4.0
2009-12	RAN#46	R5-096134	0055	-	GCF Priority 3 - Correction to E-UTRA DRB test case 12.3	8.3.0	8.4.0
2009-12	RAN#46	R5-096136	0056	-	GCF Priority 3 - Applicabilty of new E-UTRA DRB test case 12.3	8.3.0	8.4.0
2009-12	RAN#46	R5-096659	0057	-	GCF Priority 2 - Addition of applicability for new test case 11.1.4	8.3.0	8.4.0
2009-12	RAN#46	R5-096702	0058	-	Add applicabilities for test case 8.1.3.7 and 8.5.2.1	8.3.0	8.4.0
2009-12	RAN#46	R5-096703	0059	-	GCF Priority 3 - Add applicabilities for new test case 8.3.1.11	8.3.0	8.4.0
2009-12	RAN#46	R5-096704	0060	-	Update of Applicability table for Multi-layer Procedure test cases	8.3.0	8.4.0
2009-12	RAN#46	R5-096705	0062	-	EMM CRs from RAN5#45	8.3.0	8.4.0
2009-12	RAN#46	R5-096710	0061	-	GCF Priority 3 - Addition of applicability for new LTE-C2k interworking test cases	8.3.0	8.4.0
2010-03	RAN#47	R5-100080	0063	-	Addition of applicability for new multi-layer test case	8.4.0	8.5.0
2010-03	RAN#47	R5-100179	0064	-	Applicability for new EMM test case 9.2.1.2.14	8.4.0	8.5.0
2010-03	RAN#47	R5-100286	0065	-	Update of Applicability table of TC 8.4.2.4	8.4.0	8.5.0
2010-03	RAN#47	R5-100333	0066	-	Addition of TDD RF Baseline Implementation Capabilities	8.4.0	8.5.0
2010-03	RAN#47	R5-100479	0067	-	Addition of applicability for new DSMIPv6 test cases	8.4.0	8.5.0
2010-03	RAN#47	R5-100498	0068	-	GCF priority 3 - Applicability Statements for new PUSCH Hopping test cases	8.4.0	8.5.0
2010-03	RAN#47	R5-100747	0069	-	Adding PICS for UE UTRAN and GERAN types	8.4.0	8.5.0
2010-03	RAN#47	R5-101030	0070	-	GCF Priority 3 - Adding TC 9-1-5-1 EMM Information Procedure applicability	8.4.0	8.5.0
2010-03	RAN#47	R5-101143	0071	-	Addition of applicability for new LTE-C2k interworking test cases	8.4.0	8.5.0
2010-03	RAN#47	R5-101193	0072	-	GCF Priority 3 - Addition of applicability statement for E-UTRAN test case 13.4.1.2	8.4.0	8.5.0
2010-03	RAN#47	R5-101194	0073	-	Applicability of new RRC part 1 test case	8.4.0	8.5.0
2010-03	RAN#47	R5-101195	0074	-	Correcting applicability and PICS for EMM test cases	8.4.0	8.5.0
2010-03	RAN#47	R5-101196	0075	-	Removal of LTE test cases 9.3.1.2 and 10.5.2	8.4.0	8.5.0
2010-03	RAN#47	R5-101197	0076	-	Corrections to applicability table to align to TS 36.523-1	8.4.0	8.5.0

2010-03	RAN#47	R5-101198	0077	-	Correction of the Applicability of GCF Priority 2 NAS test case 9.2.2.1.1	8.4.0	8.5.0
2010-03	RAN#47	R5-101199	0078	-	Update of applicability of ESM test cases	8.4.0	8.5.0
2010-03	RAN#47	RP-100116	0079	-	Test Case titles alignment	8.4.0	8.5.0
2010-03	RAN#47	GP-100099	0064	-	Addition of new Test Case 6.2.3.22	8.4.0	8.5.0
2010-03	RAN#47	-	-	-	Moved to v9.0.0 with no change	8.5.0	9.0.0
2010-06	RAN#48	GP-100627	0080		Addition of new GELTE test cases 6.2.3.28 and 6.2.3.30	9.0.0	9.1.0
2010-06	RAN#48	GP-100674	0081		New test cases for GERAN to LTE added Part 2	9.0.0	9.1.0
2010-06	RAN#48	R5-103122	0082	-	Adding band 20 and 21 to TS36.523-2	9.0.0	9.1.0
2010-06	RAN#48	R5-103146	0083	-	GCF Priority 4 - Addition of applicability statement for E-UTRAN test case 14.1 and 14.2	9.0.0	9.1.0
2010-06	RAN#48	R5-103246	0094	-	Applicability of new TC 13.1.5 Note: This CR is wrongly identified on its cover page and in RP-100510 as CR0802.	9.0.0	9.1.0
2010-06	RAN#48	R5-103270	0084	-	Modification of applicability condition for UTRAN in 36.523-2	9.0.0	9.1.0
2010-06	RAN#48	R5-103314	0085	-	GCF Priority 2 - Correction to applicabaility of test case 7.1.4.3 Note: This CR is wrongly identified on its cover page and in RP-100510 as being to 34.123-2..	9.0.0	9.1.0
2010-06	RAN#48	R5-103369	0086	-	GCF Priority 1: Update of TC titles and formatting in applicability table	9.0.0	9.1.0
2010-06	RAN#48	R5-103370	0087	-	GCF Priority 3: New TC 9.3.1.6 applicability	9.0.0	9.1.0
2010-06	RAN#48	R5-103621	0088	-	Correction for feature group indicators in Annex A.4.5	9.0.0	9.1.0
2010-06	RAN#48	R5-103874	0089	-	GCF Priority 2: Update of EMM test case applicability using new UE implementation capabilities to control UE attach type	9.0.0	9.1.0
2010-06	RAN#48	R5-103878	0090	-	GCF Priority 3: Applicability statements for new P3&P4 TCs	9.0.0	9.1.0
2010-06	RAN#48	R5-103879	0091	-	Applicability for GCF Priority test cases 9.2.1.1.4, 9.3.1.18, 13.1.8	9.0.0	9.1.0
2010-06	RAN#48	R5-103880	0092	-	GCF priority 3 - Adding new 6.2.1 test cases to the applicability table	9.0.0	9.1.0
2010-06					Adds note to the entry for CR0094 above.	9.1.0	9.1.1
2010-06					Adds note to the entry for CR0085 above.	9.1.1	9.1.2

History

Document history		
V9.0.0	April 2010	Publication
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