3GPP TS 36.523-2 V11.4.0 (2013-09)

Technical Specification

3rd Generation Partnership Project; Technical Specification Group Radio Access Network; 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 (Release 11)

Keywords
mobile, UE, terminal, testing, E-UTRA, EPC

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Contents

Foreword

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

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x the first digit:

1 presented to TSG for information;

2 presented to TSG for approval;

3 or greater indicates TSG approved document under change control.

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

z the third digit is incremented when editorial only changes have been incorporated in the document.

Introduction

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.

[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] Void

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

[7] Void

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

[9] Void

[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".

[30] 3GPP TS 36.307: "Requirements on User Equipments (UEs) Supporting a release-independent frequency band ".

[33] GSMA PRD IR.92: "IMS Profile for Voice and SMS".

[34] 3GPP TS 22.101: "Service aspects; Service principles"

[35] 3GPP TS 24.301: "Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3".

[36] 3GPP TS 25.306: "UE Radio Access capabilities".

[37] 3GPP TS 25.331: "Radio Resource Control (RRC); Protocol specification".

[38] 3GPP TS 23.216: "Super-Charger technical realization; Stage 2".

[39] 3GPP TS 23.272: "Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2".

[40] 3GPP TS 44.060: "General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control / Medium Access Control (RLC/MAC) protocol".

[41] 3GPP TS 26.114: "IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction".

[42] 3GPP TS 24.229: "IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".

[43] 3GPP TS 24.173: "IMS Multimedia telephony communication service and supplementary services; Stage 3".

[44] 3GPP TR 21.904: "User Equipment (UE) capability requirements".

[45] 3GPP TS 34.229-2: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification".

3 Definitions, symbols and abbreviations

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

- such given in TR 21.905[1]
- such given in ISO/IEC 9646-1 [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.

NOTE: ICS items specified in 3GPP TS 34.123-2 [8] and 3GPP TS 34.229-2 [45] can be referred, to avoid redundant definitions.

Additional Information - Specific IXIT

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

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

Additional Information - Number of TC Executions

This column contains, wherever applicable, the recommended for certification purposes number of TC executions. Clarifying notes are listed in Table 4-1b.

Additional Information - Release other RAT

In regard to a particular test case, this column provides information on the release which is used by the simulated network in the other (i.e. non E-UTRA) RAT(s) where applicable. For each applicable RAT the release shall be indicated in the format 'Rel-X RAT'. When multiple RATs are applicable the entries per RAT shall be separated by a comma. When a value for a 3GPP RAT is not provided but the RAT is in the scope of the test case then for this RAT the release indicated in the Release column applies (per default).

EXAMPLES:

Rel-9 UTRA FDD, Rel-8 GERAN or simply as Rel-9 UTRA FDD
(meaning that the UTRA FDD will simulate Rel-9 and the GERAN Rel-8 behaviours)

Rel-9 UTRA TDD
(meaning that the UTRA LCR TDD network will simulate Rel-9 behaviours)

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 number. 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	Number of TC Executions	Release other RAT
	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		Either TC 6.1.1.1 or TC 6.1.1.1b shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.1a	PLMN selection / Automatic mode/ between FDD and TDD	Rel-8	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
6.1.1.1b	PLMN selection of RPLMN, HPLMN/EHPLMN, UPLMN and OPLMN / Automatic mode / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA. This test is 'cells on single frequency only' equivalent of TC 6.1.1.1	pc_eFDD		Either TC 6.1.1.1 or TC 6.1.1.1b shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.2	PLMN selection of "Other PLMN/access technology combinations" / Automatic mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD		Either TC 6.1.1.2 or TC 6.1.1.2a shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.2a	PLMN selection of "Other PLMN/access technology combinations" / Automatic mode / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA This test is 'cells on single frequency only ' equivalent of 6.1.1.2	pc_eFDD		Either TC 6.1.1.2 or TC 6.1.1.2a shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.3	Cell reselection of ePLMN in manual mode	Rel-8	R	UEs supporting E-UTRA	pc_eFDD		Either TC 6.1.1.3 or TC 6.1.1.3b shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.3a	Cell reselection of ePLMN in manual mode / between FDD and TDD	Rel-9	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
6.1.1.3b	Cell reselection of ePLMN in manual mode / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA. This test is 'cells on single frequency only' equivalent of 6.1.1.3	pc_eFDD		Either TC 6.1.1.3 or TC 6.1.1.3b shall be executed. (Note 4)	
					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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
6.1.1.4a	PLMN selection in shared network environment / Automatic mode / Between FDD and TDD	Rel-8	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
6.1.1.6	PLMN selection of RPLMN, HPLMN/EHPLMN, UPLMN and OPLMN / Automatic mode / User reselection	Rel-8	C157	UEs supporting E-UTRA and user initiated PLMN reselection in automatic mode	pc_eFDD		Either TC 6.1.1.6 or TC 6.1.1.6a shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.6a	PLMN selection of RPLMN, HPLMN/EHPLMN, UPLMN and OPLMN / Automatic mode / User reselection / Single Frequency operation	Rel-8	C157	UEs supporting E-UTRA and user initiated PLMN reselection in automatic mode. This test is 'cells on single frequency only' equivalent of 6.1.1.6	pc_eFDD		Either TC 6.1.1.6 or TC 6.1.1.6a shall be executed. (Note 4)	
					pc_eTDD			
6.1.1.7	PLMN selection / Periodic reselection / ExtendedWaitTimer	Rel-10	C179	UEs supporting E-UTRA and MinimumPeriodicSearchTimer	pc_eFDD			
					pc_eTDD			
6.1.2.1	Void							
6.1.2.2	Cell selection / $Q_{rxlevmin}$	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
6.1.2.2a	Cell selection / $Q_{qualmin}$	Rel-9	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					pc_eTDD			
6.1.2.3	Cell selection / Intra E-UTRAN / Serving cell becomes non-suitable	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
6.1.2.3a	Cell selection / Intra E-UTRAN / Serving cell becomes non-suitable (Srxlev > 0 and Squal < 0)	Rel-9	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					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	C184	UEs supporting E-UTRA and more than 1 FDD or TDD E-UTRA band	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		Either TC 6.1.2.7 or TC 6.1.2.7a shall be executed. (Note 4)	
					pc_eTDD			
6.1.2.7a	Cell reselection / Equivalent PLMN / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA. This test is 'cells on single frequency only ' equivalent of 6.1.2.7	pc_eFDD		Either TC 6.1.2.7 or TC 6.1.2.7a shall be executed. (Note 4)	
					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		Either TC 6.1.2.8 or TC 6.1.2.8a shall be executed. (Note 4)	

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_eTDD			
6.1.2.8a	Cell reselection using cell status and cell reservations / Access control class 0 to 9 / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA. This test is 'cells on single frequency only ' equivalent of 6.1.2.8	pc_eFDD		Either TC 6.1.2.8 or TC 6.1.2.8a shall be executed. (Note 4)	
					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		Either TC 6.1.2.9 or TC 6.1.2.9a shall be executed. (Note 4)	
					pc_eTDD			
6.1.2.9a	Cell reselection using cell status and cell reservations / Access control class 11 to15 / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA. This test is 'cells on single frequency only ' equivalent of 6.1.2.9	pc_eFDD		Either TC 6.1.2.9 or TC 6.1.2.9a shall be executed. (Note 4)	
					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, $S_{intrasearch}$, $S_{nonintrasearch}$	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
6.1.2.14	Speed-dependent cell reselection	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			
6.1.2.15a	Inter-frequency cell reselection according to cell reselection priority provided by SIBs / Between FDD and TDD	Rel-9	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
6.1.2.15b	Inter-band cell reselection according to cell reselection priority provided by SIBs	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
6.1.2.16	Cell reselection / interband operation / Between FDD and TDD	Rel-9	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
6.1.2.17	Cell reselection for Squal to check against $S_{IntraSearchQ}$ and $S_{nonIntraSearchQ}$	Rel-9	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					pc_eTDD			
6.1.2.18	Inter-frequency cell reselection based on common priority information with parameters $Thresh_{X, HighQ}$, $Thresh_{X, LowQ}$ and $Thresh_{Serving, LowQ}$	Rel-9	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
6.1.2.19	Intra-frequency cell reselection / MFBI	Rel-9	C189	UEs supporting E-UTRA and MFBI feature indicated by Feature Group Indicator 31	pc_eFDD		Note 3	
					pc_eTDD			
6.1.2.20	Intrer-frequency cell reselection / MFBI	Rel-9	C189	UEs supporting E-UTRA and MFBI feature indicated by Feature Group Indicator 31	pc_eFDD		Note 3	
					pc_eTDD			
6.1.2.21	Inter-band cell reselection / MFBI	Rel-9	C189	UEs supporting E-UTRA and MFBI feature indicated by Feature Group Indicator 31	pc_eFDD		Note 3	
					pc_eTDD			
6.2.1.1	Inter-RAT PLMN Selection / Selection of correct RAT for OPLMN / Automatic mode	Rel-8	C150	UEs supporting E-UTRA and UTRA, or, E-UTRA and UTRA and GERAN	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.1.2	Inter-RAT PLMN Selection / Selection of correct RAT for UPLMN / Automatic mode	Rel-8	C01	UEs supporting E-UTRA, and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.1.3	Inter-RAT PLMN Selection / Selection of correct PLMN and RAT in shared network environment / Automatic mode	Rel-8	C01	UEs supporting E-UTRA, and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.1.4	Inter-RAT PLMN Selection/ Selection of correct RAT from the OPLMN list/ Manual mode	Rel-8	C169	UEs supporting E-UTRA and GERAN and does not support Access Technology Indication in available PLMNs list	pc_eFDD			
					pc_eTDD			
6.2.1.6	Inter-RAT Background HPLMN Search / Search for correct RAT for HPLMN / Automatic 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	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.2.2	Inter-RAT cell selection / From E-UTRA RRC_IDLE to GSM_Idle/GPRS Packet_idle / Serving cell becomes non-suitable	Rel-8	C05	UEs supporting E-UTRA and GERAN	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	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 idle / Serving cell becomes non-suitable	Rel-8	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD			
					pc_eTDD			
6.2.2.5	Cell selection / No USIM	Rel-8	C182	UEs supporting E-UTRA and UTRA and emergency speech and not supporting IMS	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.2.6	Inter-RAT Cell selection / From GSM_Idle/GPRS	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	Packet_idle to E-UTRA_RRC_IDLE / Serving cell becomes non-suitable							
					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 GERAN	pc_eFDD			
					pc_eTDD			
6.2.2.8	Inter-RAT cell selection / From UTRA_Idle to E-UTRA RRC_IDLE / Serving cell becomes non-suitable	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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 GERAN	pc_eFDD			
6.2.3.1a	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to GSM_Idle/GPRS Packet_Idle (Squal < $Thresh_{Serving, LowQ}$, Srxlev > $Thresh_{X, LowP}$ and Srxlev > $Thresh_{X, HighP}$)	Rel-9	C171	UEs supporting E-UTRA and GERAN and Squal based cell reselection between E-UTRAN and GERAN	pc_eFDD		Note 3	Rel-8 GERAN
					pc_eTDD			
6.2.3.2	Void							
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			Rel-9 UTRA TDD
6.2.3.3a	Inter-RAT cell reselection / From UTRA_Idle to E-UTRA RRC_IDLE (QqualminEUTRA, $Squal_{ServingCell}$ < $Thresh_{serving,low2}$, $Squal_{nonServingCell,x}$ > $Thresh_{x, low2}$ and $Squal_{nonServingCell,x}$ > $Thresh_{x, high2}$)	Rel-9	C126	UEs supporting E-UTRA and UTRA and supporting Squal based cell reselection to UTRAN from E-UTRAN	pc_eFDD		Note 3	Rel-8 UTRA FDD
6.2.3.4	Inter-RAT Cell Reselection / From UTRA CELL_PCH state to E-UTRA RRC_IDLE	Rel-8	C77	UEs supporting E-UTRA and UTRA and EUTRA Feature Group Indicator 1	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.3.4a	Inter-RAT Cell Reselection / From UTRA CELL_PCH state to E-UTRA RRC_IDLE based on RSRQ+RSRP evaluation	Rel-9	C77	UEs supporting E-UTRA and UTRA and EUTRA Feature Group Indicator 1	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			Rel-9 UTRA TDD
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			Rel-9 UTRA TDD
6.2.3.5a	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle (Squal > $Thresh_{X, HighQ}$, Squal < $Thresh_{Serving, LowQ}$, Squal > $Thresh_{X, LowQ}$ and $S_{nonIntraSearchQ}$)	Rel-9	C127	UEs supporting E-UTRA and UTRA and supporting Squal based cell reselection to E-UTRAN from UTRAN	pc_eFDD		Note 3	Rel-8 UTRA FDD
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			Rel-9 UTRA TDD
6.2.3.7	Inter-RAT cell reselection / From E-UTRA	Rel-8	C06	UEs supporting E-UTRA and HRPD	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	RRC_IDLE to HRPD Idle / HRPD cell is higher reselection priority than E-UTRA							
					pc_eTDD			
6.2.3.7a	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to HRPD Idle / HRPD cell is higher reselection priority than E-UTRA (Srxlev > $Thresh_{HRPD, HighP}$)	Rel-9	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			
6.2.3.8a	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to HRPD Idle / HRPD cell is lower reselection priority than E-UTRA (Squal < $Thresh_{Serving, LowQ}$ and Srxlev > $Thresh_{HRPD, LowP}$	Rel-9	C06	UEs supporting E-UTRA and HRPD	pc_eFDD			
					pc_eTDD			
6.2.3.9	Inter-RAT Cell Reselection: from E-UTRA RRC_IDLE to CDMA2000 1xRTT Dormant– When CDMA2000 1xRTT cell is higher reselection priority than E-UTRA	Rel-8	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD			
					pc_eTDD			
6.2.3.9a	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to 1xRTT Dormant / 1xRTT cell is higher reselection priority than E-UTRA (Srxlev > $Thresh_{1xRTT, HighP}$)	Rel-9	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD			
					pc_eTDD			
6.2.3.10	Inter-RAT Cell Reselection: from E-UTRA RRC_IDLE to CDMA2000 1xRTT Idle – When CDMA2000 1xRTT is lower reselection priority than E-UTRA	Rel-8	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD			
					pc_eTDD			
6.2.3.10a	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to 1xRTT Dormant / 1xRTT cell is lower reselection priority than E-UTRA (Squal < $Thresh_{Serving, LowQ}$ and Srxlev > $Thresh_{1xRTT, LowP}$)	Rel-9	C07	UEs supporting E-UTRA and 1xRTT	pc_eFDD		Note 3	
					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			Rel-9 UTRA TDD
6.2.3.14	Inter-RAT Cell Reselection / from GSM_Idle/GPRS Packet_Idle to E-UTRA (priority of E-UTRA cells are higher than the serving cell)	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			
					pc_eTDD			
6.2.3.15	Inter-RAT Cell Reselection / from GSM_Idle/GPRS Packet_Idle to E-UTRA (priority	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	of E-UTRA cells are lower than the serving cell)							
					pc_eTDD			
6.2.3.16	Inter-RAT Cell Reselection / from GSM_Idle to E-UTRAN /based on H_PRIO criteria	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			
					pc_eTDD			
6.2.3.17	Inter-RAT Cell Reselection / from GSM_Idle/GPRS Packet_Idle to E-UTRA (priority E-UTRA cells)	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			
					pc_eTDD			
6.2.3.18	Inter-RAT Cell Reselection / from GSM_Idle/GPRS Packet_Idle to E-UTRA (blacklisted E-UTRA cells)	Rel-8	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			
					pc_eTDD			
6.2.3.19	Redirection to E-UTRA upon the release of the CS connection	Rel-8	C115	UEs supporting E-UTRA and GERAN and speech	pc_eFDD			
					pc_eTDD			
6.2.3.20	Void							
6.2.3.21	Inter-RAT autonomous cell reselection GPRS Packet_transfer NC0 mode to E-UTRA	Rel-8	C66	UEs supporting E-UTRA and GERAN and GERAN to E-UTRAN neighbour cell measurements	pc_eFDD			
					pc_eTDD			
6.2.3.22	Void							
6.2.3.23	Inter-RAT Cell Reselection from GPRS Packet transfer to E-UTRA in CCN mode (PACKET CELL CHANGE CONTINUE)	Rel-8	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	pc_eFDD			
6.2.3.24	Inter-RAT Cell Reselection from GPRS Packet transfer to E-UTRA in CCN mode (PACKET CELL CHANGE ORDER)	Rel-8	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	pc_eFDD			
					pc_eTDD			
6.2.3.26	Inter-RAT Autonomous Cell Reselection GPRS Packet_transfer to E-UTRA (NC1 mode)	Rel-8	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	pc_eFDD			
					pc_eTDD			
6.2.3.27	Inter-RAT Cell Selection from GPRS Packet_transfer to E-UTRA Cell (NC2 mode)	Rel-8	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	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	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
6.2.3.29	Inter-RAT cell Reselection from GPRS packet_transfer to E-UTRA in CCN mode (PACKET MEASUREMENT ORDER)	Rel-8	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	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	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	pc_eFDD			
					pc_eTDD			
6.2.3.31	Inter-RAT cell reselection / From UTRA_Idle (low priority) to E-UTRA RRC_IDLE (high priority) according to RAT priority provided by dedicated signalling	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.3.32	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle, $S_{nonintrasearch}$	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.2.3.33	Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle / Squal based cell reselection parameters are broadcast in E-UTRAN / UE does not support Squal based cell reselection in UTRAN	Rel-9	C131	UEs supporting E-UTRA and UTRA and not supporting Squal based cell reselection to E-UTRAN from UTRAN	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			
6.3.1	Inter-frequency cell reselection / From E-UTRA RRC_IDLE non-CSG cell to E-UTRA RRC_IDLE CSG cell	Rel-8	C80	UEs supporting E-UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			
6.3.2	Inter-RAT cell reselection / From GSM_Idle/GPRS Packet_Idle to E-UTRA idle CSG cell	Rel-8	C95	UEs supporting E-UTRA and GERAN and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			
6.3.3	Inter-RAT cell reselection / From UTRA_Idle to E-UTRA RRC_IDLE CSG cell	Rel-8	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.3.4	Inter-RAT cell reselection / From UTRA CELL_PCH state to E-UTRA RRC_IDLE CSG cell	Rel-8	C82	UEs supporting E-UTRA and UTRA and allowed CSG list and EUTRA Feature Group Indicator 1	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.3.5	Manual support for CSG ID selection	Rel-8	C80	UEs supporting E-UTRA and allowed CSG list and manual CSG selection	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			
6.3.7	Inter-RAT Cell reselection from E-UTRA idle non-	Rel-8	C76	UEs supporting E-UTRA and UTRA and	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	CSG cell to a UTRA CSG cell			allowed CSG list and manual CSG selection				
					pc_eTDD			Rel-9 UTRA TDD
6.3.8	Inter-RAT CSG Cell Reselection from E-UTRA CSG cell to UTRA CSG cell	Rel-8	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
6.3.9	Manual CSG ID selection across PLMNs	Rel-9	C80	UEs supporting E-UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			
6.3.10	Intra-frequency cell selection / From E-UTRA RRC_IDLE non-CSG cell to E-UTRA RRC_IDLE CSG cell / CSG cell on same PLMN as previously visited CSG cell	Rel-10	C80	UEs supporting E-UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			
6.3.11	Inter-RAT cell selection / From UTRA_Idle to E-UTRA RRC_IDLE CSG cell / CSG cell on same PLMN as previously visited CSG cell	Rel-10	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			
6.3.12	Inter-RAT cell selection / From E-UTRA RRC_IDLE to UTRA_Idle / CSG cell on same PLMN as previously visited CSG cell	Rel-10	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD			
					pc_eTDD			
6.4.1	Manual CSG ID selection / Hybrid cell whose CSG ID is not in the Allowed CSG list nor Operator's list	Rel-9	C80	UEs supporting E-UTRA and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	
					pc_eTDD			
6.4.2	Inter-frequency cell reselection / From E-UTRA RRC_IDLE non-CSG cell to E-UTRA RRC_IDLE member hybrid cell	Rel-9	C80	UEs supporting E-UTRA and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	
					pc_eTDD			
6.4.3	Inter-RAT cell reselection / From E-UTRA RRC_IDLE non-CSG cell to UTRA_Idle member hybrid cell	Rel-9	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			
6.4.4	Inter-RAT cell reselection / From E-UTRA RRC_IDLE non-member hybrid cell to UTRA_Idle member hybrid cell	Rel-9	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			
6.4.5	Inter-RAT cell reselection / From UTRA_Idle to E-UTRA RRC_IDLE member hybrid cell	Rel-9	C76	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			
6.4.6	Inter-RAT cell reselection / From UTRA CELL_PCH to E-UTRA RRC_IDLE member hybrid cell	Rel-9	C75	UEs supporting E-UTRA and UTRA and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			
6.4.7	Inter-RAT cell reselection / From GERAN to E-UTRA RRC_IDLE member hybrid cell	Rel-9	C95	UEs supporting E-UTRA and GERAN and allowed CSG list and manual CSG selection	pc_eFDD		Note 3	

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					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 procedure	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					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	C100	UEs supporting E-UTRA and semi-persistence scheduling and Feature Group Indicator 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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
7.1.3.11.1	CA / Correct HARQ process handling / DCCH and DTCH / Pcell and Scell / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.3.11.2	CA / Correct HARQ process handling / DCCH and DTCH / Pcell and Scell / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.3.12	TDD additional special subframe configuration / Special subframe pattern 9/7 / CRS based transmission scheme	Rel-11	C175	UEs supporting E-UTRA TDD and TDD special subframe config	pc_eTDD			
7.1.3.13	TDD additional special subframe configuration / Special subframe pattern 9/7 / UE-specific reference signals based transmission scheme	Rel-11	C175	UEs supporting E-UTRA TDD and TDD special subframe config	pc_eTDD			
7.1.3.14	Correct handling of DL assignment / Dynamic case / EPDCCH	Rel-11	C188	UEs supporting E-UTRA and ePDCCH	pc_eFDD			
					pc_eTDD			
7.1.3.15	Correct handling of DL assignment / Semi-persistent case / EPDCCH	Rel-11	C188	UEs supporting E-UTRA and ePDCCH	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	C100	UEs supporting E-UTRA and semi-persistence scheduling and Feature Group Indicator 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 Feature Group Indicator 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 / UL data arrive in the UE Tx buffer / Regular BSR	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
7.1.4.7a	Correct handling of MAC control information / Buffer status / UL resources are allocated / Cancellation of 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	C99	UEs supporting E-UTRA and TTI bundling and Feature Group Indicator 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			
7.1.4.18	CA / Correct handling of MAC control information / Buffer Status / UL data arrive in the UE Tx buffer / Extended buffer size	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
7.1.4.19.1	CA / UE power headroom reporting / SCell activation and DL pathloss change reporting / Extended PHR / Intra-band Contiguous CA	Rel-10	C133	UEs supporting E-UTRA and Intra-band contiguous Uplink Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.4.19.2	CA / UE power headroom reporting / SCell activation and DL pathloss change reporting / Extended PHR / Inter-band CA	FFS	C162	UEs supporting E-UTRA and Inter-band Uplink Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.4.20.1	CA / Correct handling of MAC control information / Buffer status / Intra-band Contiguous CA	Rel-10	C133	UEs supporting E-UTRA and Intra-band contiguous Uplink Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.4.20.2	CA / Correct handling of MAC control information / Buffer status / Inter-band CA	FFS	C162	UEs supporting E-UTRA and Inter-band Uplink Carrier Aggregation	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
7.1.4.21	CA / UE power headroom reporting / Extended PHR	Rel-10	C132	UEs supporting E-UTRA and Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.4.22	Correct HARQ process handling / UL MIMO	Rel-10	C158	UE supporting E-UTRA and UL MIMO	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 Indicator 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 Indicator 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			
					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	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	format 0							
					pc_eTDD			
7.1.8.1	Periodic RI reporting using PUCCH / Category 1 UE / Transmission mode 3/4	Rel-8	C103	UEs supporting E-UTRA and UE Category 1	pc_eFDD			
					pc_eTDD			
7.1.9	**Activation/Deactivation of SCells**							
7.1.9.1.1	CA / Activation/Deactivation of SCells / Activation/Deactivation MAC control element reception / sCellDeactivationTimer/ Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band Contiguous CA Carrier Aggregation	pc_eFDD			
					pc_eTDD			
7.1.9.1.2	CA / Activation/Deactivation of SCells / Activation/Deactivation MAC control element reception / sCellDeactivationTimer/ Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band CA Carrier Aggregation	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			
					pc_eTDD			
7.2.2.9	UM RLC / In sequence delivery of upper layer	Rel-8	C16	UEs supporting E-UTRA and Feature Group	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	PDUs with residual loss of RLC PDUs / Maximum re-ordering delay exceeds *t-Reordering*			Indicator 7				
					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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					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			
					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			
7.3.3.5	Ciphering and deciphering / Correct functionality of EPS AS encryption algorithms / ZUC	Rel-11	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					pc_eTDD			
7.3.3.6	Ciphering and deciphering / Correct functionality of EPS UP encryption algorithms / ZUC	Rel-11	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					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			
7.3.4.3	Integrity protection / Correct functionality of EPS AS integrity algorithms / ZUC	Rel-11	R	UEs supporting E-UTRA	pc_eFDD		Note 3	

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					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			
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			
8.1.2.6	RRC connection establishment / Non-zero	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	percent access probability for MO calls, no restriction for MO signalling							
					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	C97	UEs supporting E-UTRA and Multiple PDN	pc_eFDD			
					pc_eTDD			
8.1.2.9	RRC Connection Establishment / 0% access probability for MO calls, non-zero percent access probability for MO signalling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.1.2.10	Void							
8.1.2. 11	RRC connection establishment of emergency call	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
8.1.2.12	RRC connection establishment of emergency call / Limited service	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
8.1.2.13	RRC connection establishment / 0% access probability for MO calls, 0% access probability for MO signalling	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.1.2.14	RRC connection establishment / High speed flag	Rel-9	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					pc_eTDD			
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			Rel-9 UTRA TDD
8.1.3.6a	RRC connection release / Redirection from E-UTRAN to UTRAN / Pre-redirection info	Rel-9	C01	UEs supporting E-UTRA and UTRA	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			Rel-9 UTRA TDD
8.1.3.7	RRC connection release / Redirection from UTRAN to E-UTRAN	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
8.1.3.11	RRC connection release / Redirection to another E-UTRAN band	Rel-9	C184	UEs supporting E-UTRA and more than 1 FDD or TDD E-UTRA band	pc_eFDD		Note 3	
					pc_eTDD			
8.1.3.11a	RRC connection release / Redirection to another E-UTRAN band / Inter-band / Between FDD and TDD	Rel-9	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
8.1.3.12	RRC connection release / Success / With priority information / Inter-band	Rel-9	C184	UEs supporting E-UTRA and more than 1 FDD or TDD E-UTRA band	pc_eFDD		Note 3	
					pc_eTDD			
8.1.3.12a	RRC connection release / Success / With priority information / Inter-band / Between FDD and TDD	Rel-9	C142	UEs supporting E-UTRA FDD and E-UTRA TDD				
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			
8.2.1.8	RRC connection reconfiguration / Radio bearer establishment / Success / Dedicated bearer / ROHC configured	Rel-9	C120	UEs supporting E-UTRA and Feature Group Indicator 3 and Feature Group Indicator 7 and ROHC profile0x0001 and ROHC profile0x0002	pc_eFDD		Note 3	
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
8.2.2.3.1	CA / RRC connection reconfiguration / SCell addition/modification/release / Success / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.2.3.2	CA / RRC connection reconfiguration / SCell addition/modification/release / Success / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.2.4.1	CA / RRC connection reconfiguration / SCell SI change / Success / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.2.4.2	CA / RRC connection reconfiguration / SCell SI change / Success / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.2.5;1	CA / RRC connection reconfiguration / SCell Addition without UL / Success / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.2.5.2	CA / RRC connection reconfiguration / SCell Addition without UL / Success / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.2.6.1	RRC connection reconfiguration/ UE Assistance Information/power preference indication setup and release	Rel-11	C187	UEs supporting E-UTRA and Power Preference Indication	pc_eFDD			
					pc_eTDD			
8.2.2.6.2	RRC connection reconfiguration/ UE Assistance Information/power preference indication release on connection re-establishment	Rel-11	C187	UEs supporting E-UTRA and Power Preference Indication	pc_eFDD			
					pc_eTDD			
8.2.2.6.3	RRC connection reconfiguration/ UE Assistance Information/T340 running	Rel-11	C187	UEs supporting E-UTRA and Power Preference Indication	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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					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			
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	C185	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	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 E-UTRA TDD and Feature Group Indicator 25 and Feature Group Indicator 30				
8.2.4.12	RRC connection reconfiguration / Handover / Setup and release of MIMO	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			
8.2.4.13	RRC connection reconfiguration / Handover / Success (with measurement) / Inter-band	Rel-9	C185	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD		Note 3	
					pc_eTDD			
8.2.4.13a	RRC connection reconfiguration / Handover / Success (with measurement) / Inter-band / Between FDD and TDD	Rel-9	C63	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25 and Feature Group Indicator 30				
8.2.4.14	RRC connection reconfiguration / Handover / Failure / Re-establishment successful / Inter-band	Rel-9	C185	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD		Note 3	
					pc_eTDD			
8.2.4.14a	RRC connection reconfiguration / Handover / Failure / Re-establishment successful / Inter-band / Between FDD and TDD	Rel-9	C63	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25 and Feature Group Indicator 30				
8.2.4.15	RRC connection reconfiguration / Handover / Failure / Re-establishment failure / Inter-band	Rel-9	C185	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD		Note 3	

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
				and more than 1 FDD or TDD E-UTRA band				
					pc_eTDD			
8.2.4.15a	RRC connection reconfiguration / Handover / Failure / Re-establishment failure / Inter-band / Between FDD and TDD	Rel-9	C63	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25 and Feature Group Indicator 30				
8.2.4.16.1	CA / RRC connection reconfiguration / Setup and Change of MIMO / Intra-band Contiguous CA	Rel-10	C176	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation and does not support Category 1	pc_eFDD			
					pc_eTDD			
8.2.4.16.2	CA / RRC connection reconfiguration / Setup and Change of MIMO / Inter-band CA	Rel-10	C177	UEs supporting E-UTRA and Inter-band Carrier Aggregation and does not support Category 1	pc_eFDD			
					pc_eTDD			
8.2.4.17.1	CA / RRC connection reconfiguration / Handover / Success / PCell Change and SCell addition / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.17.2	CA / RRC connection reconfiguration / Handover / Success / PCell Change and SCell addition / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.18.1	CA / RRC connection reconfiguration / Handover / Success / SCell release / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.18.2	CA / RRC connection reconfiguration / Handover / Success / SCell release / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
8.2.4.19.1	CA / RRC connection reconfiguration / Handover / Success / PCell Change / SCell no Change / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.19.2	CA / RRC connection reconfiguration / Handover / Success / PCell Change / SCell no Change / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.20.1	CA / RRC connection reconfiguration / Handover / Scell Change / Success / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.20.2	CA / RRC connection reconfiguration / Handover / Scell Change / Success / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.21.1	CA / RRC connection reconfiguration / Handover / Success / SCell release / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.2.4.21.2	CA / RRC connection reconfiguration / Handover / Success / SCell release / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
8.2.4.22	RRC connection reconfiguration / Handover / MFBI / target cell broadcasting information disregarded by the UE	Rel-9	C189	UEs supporting E-UTRA and MFBI feature indicated by Feature Group Indicator 31	pc_eFDD		Note 3	
					pc_eTDD			
8.3.1.1	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A1	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.3.1.2	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A2	Rel-8	R	UEs supporting E-UTRA	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			
8.3.1.3a	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A3 (intra and inter-frequency measurements) / RSRQ based measurements	Rel-9	C10	UEs supporting E-UTRA and Feature Group Indicator 25	pc_eFDD		Note 3	
					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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					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			
8.3.1.8	Measurement configuration control and reporting / Intra E-UTRAN measurements / Handover / IE measurement configuration present	Rel-8	R	UEs supporting E-UTRA	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	R	UEs supporting E-UTRA	pc_eFDD		Either TC 8.3.1.9 or TC 8.3.1.9a shall be executed. (Note 4)	
					pc_eTDD			
8.3.1.9a	Measurement configuration control and reporting / Intra Frequency measurements / Intra-frequency handover / IE measurement configuration not present / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA This test is 'cells on single frequency only' equivalent of TC 8.3.1.9	pc_eFDD		Either TC 8.3.1.9 or TC 8.3.1.9a shall be executed. (Note 4)	
					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	C21	UEs supporting E-UTRA and Feature Group Indicator 13 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		Either TC 8.3.1.11 or TC 8.3.1.11a shall be executed. (Note 4)	
					pc_eTDD			
8.3.1.11a	Measurement configuration control and reporting / Intra Frequency measurements / Continuation of the measurements after RRC connection re-establishment / Single Frequency operation	Rel-8	R	UEs supporting E-UTRA This test is 'cells on single frequency only' equivalent of TC 8.3.1.11	pc_eFDD		Either TC 8.3.1.11 or TC 8.3.1.11a shall be executed. (Note 4)	
					pc_eTDD			
8.3.1.12	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A3 (Inter-band measurements)	Rel-9	C186	UEs supporting E-UTRA and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD			Note 3

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_eTDD			
8.3.1.12a	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A3 (inter-band measurements) / Between FDD and TDD	Rel-9	C130	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25				
8.3.1.13	Measurement configuration control and reporting / Intra E-UTRAN measurements / Periodic reporting (intra-frequency and inter-band measurements)	Rel-9	C186	UEs supporting E-UTRA and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD			Note 3
					pc_eTDD			
8.3.1.13a	Measurement configuration control and reporting / Intra E-UTRAN measurements / Periodic reporting (intra-frequency and inter-band measurements) / Between FDD and TDD	Rel-9	C130	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25				
8.3.1.14	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A2 and A3 (Inter-band measurements)	Rel-9	C186	UEs supporting E-UTRA and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD			Note 3
					pc_eTDD			
8.3.1.14a	Measurement configuration control and reporting / Intra E-UTRAN measurements / Two simultaneous events A2 and A3 (inter-band measurements) / Between FDD and TDD	Rel-9	C130	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25				
8.3.1.15	Measurement configuration control and reporting / Intra E-UTRAN measurements / Inter-band handover / IE measurement configuration not present	Rel-9	C185	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD			Note 3
					pc_eTDD			
8.3.1.15a	Measurement configuration control and reporting / Intra E-UTRAN measurements / Inter-band handover / IE measurement configuration not present / Between FDD and TDD	Rel-9	C63	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25 and Feature Group Indicator 30				
8.3.1.16	Measurement configuration control and reporting / Intra E-UTRAN measurements / Continuation of the measurements after RRC connection re-establishment / Inter-band	Rel-9	C186	UEs supporting E-UTRA and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD			Note 3
					pc_eTDD			
8.3.1.16a	Measurement configuration control and reporting / Intra E-UTRAN measurements / Continuation of the measurements after RRC connection re-establishment / Inter-band / Between FDD and TDD	Rel-9	C63	UEs supporting E-UTRA FDD and E-UTRA TDD and Feature Group Indicator 25 and Feature Group Indicator 30				
8.3.1.17.1	CA / Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A6 / Intra-band Contiguous CA	Rel-10	C134	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation and Feature Group Indicator 111	pc_eFDD			
					pc_eTDD			
8.3.1.17.2	CA / Measurement configuration control and	Rel-10	C152	UEs supporting E-UTRA and Inter-band Carrier	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	reporting / Intra E-UTRAN measurements / Event A6 / Inter-band CA			Aggregation and Feature Group Indicator 111				
					pc_eTDD			
8.3.1.18.1	CA / Measurement configuration control and reporting / Intra E-UTRAN measurements / Additional measurement reporting / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.3.1.18.2	CA / Measurement configuration control and reporting / Intra E-UTRAN measurements / Additional measurement reporting / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.3.1.19	eICIC / Measurement configuration control and reporting / CSI change	Rel-10	C154	UEs supporting E-UTRA and Feature Group Indicator 115	pc_eFDD			
					pc_eTDD			
8.3.1.20	eICIC / Measurement configuration control and reporting / Event A3 / RSRP and RSRQ measurement / Neighbour ABS	Rel-10	C154	UEs supporting E-UTRA and Feature Group Indicator 115	pc_eFDD			
					pc_eTDD			
8.3.1.21	eICIC / Measurement configuration control and reporting / Event A3 Handover / Neighbour RSRP measurement configuration change	Rel-10	C154	UEs supporting E-UTRA and Feature Group Indicator 115	pc_eFDD			
				UEs supporting E-UTRA and Feature Group Indicator 115	pc_eTDD			
8.3.1.22.1	CA / Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A1 / Event A2 / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.3.1.22.2	CA / Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A1 / Event A2 / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.3.1.23	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A4	Rel-9	C166	UEs supporting E-UTRA and Feature Group Indicator 14.	pc_eFDD		Note3	
					pc_eTDD			
8.3.1.24	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A5	Rel-9	C166	UEs supporting E-UTRA and Feature Group Indicator 14	pc_eFDD		Note3	
					pc_eTDD			
8.3.1.25	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A5 / RSRQ based measurements	Rel-9	C166	UEs supporting E-UTRAand Feature Group Indicator 14	pc_eFDD		Note3	
					pc_eTDD			
8.3.1.26	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A5 (Inter-frequency measurements)	Rel-9	C167	UEs supporting E-UTRA and Feature Group Indicator 14 and25	pc_eFDD		Note3	
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
8.3.1.27	Measurement configuration control and reporting / Intra E-UTRAN measurements / Event A5 (Inter-frequency measurements) / RSRQ based measurements	Rel-9	C167	UEs supporting E-UTRA and Feature Group Indicator 14 and 25	pc_eFDD		Note3	
					pc_eTDD			
8.3.1.28	eICIC / Measurement configuration control and reporting / Event A3 / RSRP and RSRQ measurement / Serving ABS	Rel-10	C154	UEs supporting E-UTRA and Feature Group Indicator 115	pc_eFDD			
					pc_eTDD			
8.3.2.1	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of GERAN cells	Rel-8	C90	UEs supporting E-UTRA and GERAN 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	C91	UEs supporting E-UTRA and UTRA and Feature Group Indicator 22	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
8.3.2.3a	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of UTRAN cells / RSRQ based measurements	Rel-9	C91	UEs supporting E-UTRA and UTRA and Feature Group Indicator 22	pc_eFDD		Note 3	Rel-8 UTRA FDD
					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			Rel-9 UTRA TDD
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 and UTRA and GERAN and Feature Group Indicator 16 and Feature Group Indicator 22 and Feature Group Indicator 23	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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 and UTRAN and GERAN and Feature Group Indicator 22 and Feature Group Indicator 23	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
8.3.2.7	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of HRPD cells	Rel-8	C92	UEs supporting E-UTRA and HRPD and Feature Group Indicator 26	pc_eFDD			
					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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_eTDD			
8.3.2.9	Measurement configuration control and reporting / Inter-RAT measurements / Event B2 / Measurement of 1xRTT cells	Rel-8	C93	UEs supporting E-UTRA and 1xRTT 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			
8.3.2.11	Measurement configuration control and reporting / Inter-RAT measurements / Event B1 / Measurement of UTRAN cells	Rel-9	C168	UEs supporting E-UTRA and UTRA and Feature Group Indicator 15	pc_eFDD		Note 3	Rel-8 UTRA FDD
					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 Indicator 22	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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 Indicator 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	Void							
8.3.4.1	Intra-frequency SI acquisition / CSG cell and non-CSG cell	Rel-9	C80	UEs supporting E-UTRA and allowed CSG list	pc_eFDD		Note 3	
					pc_eTDD			
8.3.4.2	Inter-frequency SI acquisition / Non-member hybrid cell	Rel-9	C118	UEs supporting E-UTRA and allowed CSG list and Feature Group Indicator 25	pc_eFDD		Note 3	
					pc_eTDD			
8.3.4.3	Inter-frequency SI acquisition / Member hybrid cell	Rel-9	C118	UEs supporting E-UTRA and allowed CSG list and Feature Group Indicator 25	pc_eFDD		Note 3	
					pc_eTDD			
8.3.4.4	Inter-RAT SI acquisition / RRC_CONNECTED / UMTS member CSG cell	Rel-9	C119	UEs supporting E-UTRA and UTRA and allowed CSG list and Feature Group Indicator 22	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			
8.3.4.5	Inter-frequency E-UTRAN FDD - FDD / CSG Proximity Indication	Rel-9	C170	UEs supporting FDD E-UTRA and Inter Frequency Proximity Indication	pc_eFDD			
8.4.1.2	Inter-RAT handover / From E-UTRA to UTRA PS	Rel-8	C36	UEs supporting E-UTRA and UTRA and	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	/ Data			Feature Group Indicator 8 and Feature Group Indicator 22				
					pc_eTDD			Rel-9 UTRA TDD
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			Rel-9 UTRA TDD
8.4.1.5	Inter-RAT Handover / from E-UTRA to UTRA(HSUPA/HSDPA) / Data	Rel-8	C117	UEs supporting E-UTRA and UTRA and HS-PDSCH and E-DPDCH and Feature Group Indicator 8 and Feature Group Indicator 22	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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 and EUTRA Feature Group Indicator 2	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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 and EUTRA Feature Group Indicator 2	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
8.4.2.7	CA / RRC connection reconfiguration / Handover UTRAN to E-UTRAN/ Success / SCell addition	Rel-10	C155	UEs supporting E-UTRA and UTRA and Carrier Aggregation and Feature Group Indicator 112 and inter-RAT PS handover to E-UTRA from UTRA and EUTRA Feature Group Indicator 2	pc_eFDD			Rel-8 UTRA FDD
					pc_eTDD			
8.4.3.1	Inter-RAT handover / From E-UTRA to GPRS / PS HO	Rel-8	C107	UEs supporting E-UTRA and GERAN and PS handover from E-UTRAN to GERAN and Feature Group Indicator 23	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 GERAN and Feature Group Indicator 10 and Feature Group Indicator 23	pc_eFDD			
					pc_eTDD			
8.4.3.3	Inter-RAT cell change order / From E-UTRA data to GPRS / With NACC	Rel-8	C38	UEs supporting E-UTRA and GERAN and Feature Group Indicator 10 and Feature Group Indicator 23	pc_eFDD			
					pc_eTDD			
8.4.4.1	Void							
8.4.4.2	Void							
8.4.4.3	Void							
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 and Feature Group Indicator 26	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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
8.4.7.3	Pre-registration at 1xRTT and inter-RAT redirection / CS fallback from E-UTRA RRC_IDLE to 1xRTT / MT call	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 redirection / CS fallback from E-UTRA RRC_CONNECTED to 1xRTT / MO call	Rel-8	C41	UEs supporting E-UTRA and 1xRTT and 1xCS fallback	pc_eFDD			
					pc_eTDD			
8.4.7.5	Pre-registration at 1xRTT and inter-RAT Handover / Enhanced CS fallback from E-UTRA RRC_IDLE to 1xRTT/MT call	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and Enhanced 1xCS fallback	pc_eFDD			
					pc_eTDD			
8.4.7.6	Pre-registration at 1xRTT and inter-RAT Handover / Enhanced CS fallback from E-UTRA RRC_CONNECTED to 1xRTT/MO call	Rel-9	C116	UEs supporting E-UTRA and 1xRTT an Enhanced d 1xCS fallback	pc_eFDD			
					pc_eTDD			
8.4.7.7	Pre-registration at 1xRTT and inter-RAT Handover / Enhanced CS fallback from E-UTRA RRC_CONNECTED to 1xRTT / ECAM-based MO call	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and Enhanced 1xCS fallback	pc_eFDD			
					pc_eTDD			
8.4.7.8	Pre-registration at 1xRTT and inter-RAT Handover / Enhanced CS fallback from E-UTRA RRC_CONNECTED to 1xRTT / ECAM-based MT call	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and Enhanced 1xCS fallback	pc_eFDD			
					pc_eTDD			
8.4.7.9	Pre-registration at 1xRTT and inter-RAT Handover / Enhanced CS fallback from E-UTRA RRC_CONNECTED to 1xRTT / Extended Service Reject / MO call	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and Enhanced 1xCS fallback	pc_eFDD			
					pc_eTDD			
8.4.7.10	Pre-registration at 1xRTT and inter-RAT Handover / Enhanced CS fallback from E-UTRA call failure – GCSNA with Release Order.	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and Enhanced 1xCS fallback	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_eTDD			
8.5.1.4	Radio link failure / RRC connection re-establishment reject	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
8.5.1.5	Radio link failure / Radio link recovery while T310 is running	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.5.1.6	Radio link failure / T311 expiry / Dedicated RLF timer	Rel-9	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.5.1.7.1	CA / No Radio Link Failure on SCell / RRC Connection Continues on PCell / Intra-band Contiguous CA	Rel-10	C132	UEs supporting E-UTRA and Intra-band contiguous Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.5.1.7.2	CA / No Radio Link Failure on SCell / RRC Connection Continues on PCell / Inter-band CA	Rel-10	C151	UEs supporting E-UTRA and Inter-band Carrier Aggregation	pc_eFDD			
					pc_eTDD			
8.5.2.1	Redirection to E-UTRAN / From UTRAN upon reception of RRC CONNECTION REJECT	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
8.5.4.1	UE capability transfer / Success	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.1.1	Immediate MDT / Reporting / Location information	Rel-10	C147	UEs supporting E-UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eTDD			
					pc_eFDD			
8.6.1.2	Immediate MDT / Reporting / Location information / Request from eNB / Event A2	Rel-11	C147	UEs supporting E-UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.1	Logged MDT / Intra-frequency measurement, logging and reporting	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.2	Logged MDT / Inter-frequency measurement, logging and reporting	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.3	Logged MDT / Logging and reporting / Limiting area scope	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.3a	Logged MDT / Logging and reporting / Limiting area scope / TAC list with PLMN identity	Rel-11	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.4	Logged MDT / Logging and reporting / Indication of logged measurements at E-UTRA handover	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.5	Logged MDT / Logging and reporting / Indication of logged measurements at E-UTRA re-establishment	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_eTDD			
8.6.2.6	Logged MDT / Release of logged MDT measurement configuration / Expire of duration timer	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.7	Logged MDT / Release of logged MDT measurement configuration / Reception of new logged measurement configuration, Detach or UE power off	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.8	Logged MDT / Maintaining logged measurement configuration / UE state transitions and mobility	Rel-10	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.9	Logged MDT / Location information	Rel-10	C147	UEs supporting E-UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eTDD			
					pc_eFDD			
8.6.2.10	Logged MDT / Logging and reporting / Reporting at RRC connection establishment / PLMN list	Rel-11	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.11	Logged MDT / Logging and reporting / Reporting at intra LTE handover / PLMN list	Rel-11	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.12	Logged MDT / Logging and reporting / Reporting at RRC connection re-establishment / PLMN list	Rel-11	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.2.13	Logged MDT / Logging and reporting / PLMN list / PLMN change	Rel-11	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.3.1	Logged MDT / UTRAN inter-RAT measurement, logging and reporting	Rel-10	C138	UEs supporting E-UTRA and UTRA and logged measurements in RRC_IDLE and inter-RAT PS handover to E-UTRA from UTRA and EUTRA Feature Group Indicator 2	pc_eFDD			Rel-8 UTRA FDD
					pc_eTDD			
8.6.3.2	Logged MDT / GERAN Inter-RAT measurement, logging and reporting	Rel-10	C163	UEs supporting E-UTRA and GSM and logged measurements in RRC_IDLE and inter-RAT PS handover to E-UTRA from GSM	pc_eFDD			Rel-8 GERAN
					pc_eTDD			
8.6.3.3	Logged MDT / CDMA2000 Inter-RAT measurement, logging and reporting	Rel-10	C165	UEs supporting E-UTRA and HRPD and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.3.4	Logged MDT / Logging and reporting / Reporting at UTRAN Inter-RAT handover / PLMN list	Rel-11	C138	UEs supporting E-UTRA and UTRA and logged measurements in RRC_IDLE and inter-RAT PS handover to E-UTRA from UTRA and EUTRA Feature Group Indicator 2	pc_eFDD			Rel-8 UTRA FDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_eTDD			
8.6.4.1	Radio Link Failure logging / Reporting of Intra-frequency measurements	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.4.2	Radio Link Failure logging / Reporting of Inter-frequency measurements	Rel-10	C10	UEs supporting E-UTRA and Feature Group Indicator 25	pc_eFDD			
					pc_eTDD			
8.6.4.3	Radio Link Failure logging / Reporting at RRC connection establishment and reestablishment	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.4.4	Radio Link Failure logging / Reporting at E-UTRA handover	Rel-10	C184	UEs supporting E-UTRA and more than 1 FDD or TDD E-UTRA band	pc_eFDD			
					pc_eTDD			
8.6.4.5	Radio Link Failure logging / Reporting of ECGI of the PCell	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.4.6	Radio Link Failure logging / Reporting of RLF report availability / PLMN change	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.4.7	Radio Link Failure logging / Location information	Rel-10	C147	UEs supporting E-UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eTDD			
					pc_eFDD			
8.6.4.8	Radio Link Failure logging / Logging and reporting / Reporting at RRC connection establishment / PLMN list	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.4.9	Radio Link Failure logging / Logging and reporting / Reporting at intra LTE handover / PLMN list	Rel-11	C137	UEs supporting E-UTRA and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.4.10	Radio Link Failure logging / Logging and reporting / Reporting at RRC connection re-establishment / PLMN list	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.5.1	Radio Link Failure logging / Reporting at UTRAN Inter-RAT handover	Rel-10	C146	UEs supporting E-UTRA and UTRA and inter-RAT PS handover to E-UTRA from UTRA	pc_eFDD			Rel-8 UTRA FDD
					pc_eTDD			
8.6.5.2	Radio Link Failure logging / Reporting at GERAN Inter-RAT handover	Rel-10	C148	UEs supporting E-UTRA and Feature Group Indicator 23	pc_eFDD			Rel-8 GERAN
					pc_eTDD			
8.6.5.3	Radio Link Failure logging / Reporting CDMA2000 neighbour cell information	Rel-10	C06	UEs supporting E-UTRA and HRPD	pc_eFDD			
					pc_eTDD			
8.6.6.1	Handover Failure logging / Reporting of Intra-	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	frequency measurements							
					pc_eTDD			
8.6.6.2	Handover Failure logging / Reporting of Inter-frequency measurements	Rel-10	C21	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD			
					pc_eTDD			
8.6.6.3	Handover Failure logging / Reporting of HOF report availability / PLMN change	Rel-10	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.6.4	Handover Failure logging / Location information	Rel-10	C147	UEs supporting E-UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eTDD			
					pc_eFDD			
8.6.6.5	Handover Failure logging / Logging and reporting / Reporting at RRC connection establishment / PLMN list	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.6.6	Handover Failure logging / Logging and reporting / Reporting at intra LTE handover / PLMN list	Rel-11	C21	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD			
					pc_eTDD			
8.6.6.7	Handover Failure logging / Logging and reporting / Reporting at RRC connection re-establishment / PLMN list	Rel-11	C10	UEs supporting E-UTRA and Feature Group Indicator 25	pc_eFDD			
					pc_eTDD			
8.6.7.1	Handover Failure logging / Reporting of UTRAN Inter-RAT measurements	Rel-10	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			Rel-8 UTRA FDD
					pc_eTDD			
8.6.7.2	Handover Failure logging / Reporting of GERAN Inter-RAT measurements	Rel-10	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			Rel-8 GERAN
					pc_eTDD			
8.6.7.3	Handover Failure logging / Reporting of CDMA2000 Inter-RAT measurements	Rel-10	C06	UEs supporting E-UTRA and HRPD	pc_eFDD			
					pc_eTDD			
8.6.7.4	Handover Failure logging / Reporting at UTRAN Inter-RAT handover / PLMN list	Rel-11	C138	UEs supporting E-UTRA and UTRA and logged measurements in RRC_IDLE and inter-RAT PS handover to E-UTRA from UTRA and EUTRA Feature Group Indicator 2	pc_eFDD			
					pc_eTDD			
8.6.8.1	Connection Establishment Failure logging / Logging and reporting / T300 expiry	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.8.2	Connection Establishment Failure logging / Logging and reporting / Reporting at intra-LTE handover	Rel-11	C21	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25	pc_eFDD			
					pc_eTDD			
8.6.8.3	Connection Establishment Failure logging /	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	Logging and reporting / Reporting at RRC connection re-establishment							
					pc_eTDD			
8.6.8.4	Connection Establishment Failure logging / Logging and reporting / Location Information	Rel-11	C147	UEs supporting E-UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.8.5	Connection Establishment Failure logging / Logging and reporting / Reporting of Intra-frequency measurements	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.8.6	Connection Establishment Failure logging / Logging and reporting / Reporting of Inter-frequency measurements	Rel-11	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
8.6.9.1	Connection Establishment Failure logging / Logging and reporting / Reporting at UTRAN Inter-RAT handover	Rel-11	C138	UEs supporting E-UTRA and UTRA and logged measurements in RRC_IDLE and inter-RAT PS handover to E-UTRA from UTRA and EUTRA Feature Group Indicator 2	pc_eFDD			
					pc_eTDD			
8.6.9.2	Connection Establishment Failure logging / Logging and reporting / Reporting of UTRAN Inter-RAT measurements	Rel-11	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			
8.6.9.3	Connection Establishment Failure logging / Logging and reporting / Reporting of GERAN Inter-RAT measurements	Rel-11	C05	UEs supporting E-UTRA and GERAN	pc_eFDD			
					pc_eTDD			
8.6.9.4	Connection Establishment Failure logging / Logging and reporting / Reporting of CDMA2000 Inter-RAT measurements	Rel-11	C06	UEs supporting E-UTRA and HRPD	pc_eFDD			
					pc_eTDD			
8.6.10.1	Inter-RAT Immediate MDT / Reporting / Location information / Event B2	Rel-11	C180	UEs supporting E-UTRA and UTRA and standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	pc_eFDD			
					pc_eTDD			
8.6.11.1	RACH Optimisation	Rel-11	C181	UEs supporting E-UTRA and delivery of rachReport upon request from the network	pc_eFDD			
					pc_eTDD			
8.7.1	Inter-RAT / ANR measurement, logging and reporting / E-UTRAN cell	Rel-10	C145	UEs supporting E-UTRA and supporting UTRAN ANR	pc_eFDD			
					pc_eTDD			
9	**EPS MOBILITY MANAGEMENT PROCEDURE**							

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
9.1.3.3	No emergency bearer service / NAS security mode command with EIA0 not accepted by the UE	Rel-9	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
9.1.4.2	Identification procedure / IMEI / IMEISV 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		Either TC 9.2.1.1.1a or TC 9.2.1.1.1b shall be executed. (Note 4)	
					pc_eTDD			
9.2.1.1.1b	Attach / Success / Last visited TAI, TAI list and	Rel-8	R	UEs supporting E-UTRA	pc_eFDD		Either TC	

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	equivalent PLMN list handling / Single Frequency operation			This test is 'cells on single frequency only' equivalent of TC 9.2.1.1.1a			9.2.1.1.1a or TC 9.2.1.1.1b shall be executed. (Note 4)	
					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			
9.2.1.1.2a	Attach Procedure / AttachWithIMSI configured / Selected PLMN is neither the registered PLMN nor in the list of equivalent PLMNs / Success	Rel-10	C173	UEs supporting E-UTRA and AttachWithIMSI	pc_eFDD			
					pc_eTDD			
9.2.1.1.3	Attach Procedure / Success / Request for obtaining the IPv6 address of the home agent	Rel-8	C68	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6 and being configured to request the IPv6 address of the Home Agent during Attach procedure	pc_eFDD			
					pc_eTDD			
9.2.1.1.4	Attach Procedure / Success / Request for obtaining the IPv4 address of the home agent	Rel-8	C69	UEs supporting E-UTRA and Mobility management based on Dual-Stack Mobile IPv6 and being configured to request the IPv4 address of the Home Agent during Attach procedure	pc_eFDD			
					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		Either TC 9.2.1.1.7 or TC 9.2.1.1.7a shall be executed. (Note 4)	
					pc_eTDD			
9.2.1.1.7a	Attach / Success / List of equivalent PLMNs in the ATTACH ACCEPT message / Single Frequency operation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration)	pc_eFDD		Either TC 9.2.1.1.7 or TC 9.2.1.1.7a shall be executed. (Note 4)	
					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_UTRA, pc_GERAN	px_RATComb_Tested, px_SinglePLMN_Tested	1 Execution (Note 1)	
					pc_eTDD, pc_UTRA,			Rel-9 UTRA TDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_GERAN			
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_UTRA, pc_GERAN	px_RATComb_Tested, px_SinglePLMN_Tested	1 Execution (Note 1)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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		Either TC 9.2.1.1.13 or TC 9.2.1.1.13a shall be executed. (Note 4)	
					pc_eTDD			
9.2.1.1.13a	Attach / Rejected / PLMN not allowed / Single Frequency operation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration) This test is 'cells on single frequency only' equivalent of TC 9.2.1.1.13	pc_eFDD		Either TC 9.2.1.1.13 or TC 9.2.1.1.13a shall be executed. (Note 4)	
					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		Either TC 9.2.1.1.15 or TC 9.2.1.1.15a shall be executed. (Note 4)	
					pc_eTDD			
9.2.1.1.15a	Attach / Rejected / Roaming not allowed in this tracking area / Single Frequency operation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration) This test is 'cells on single frequency only' equivalent of TC 9.2.1.1.15	pc_eFDD		Either TC 9.2.1.1.15 or TC 9.2.1.1.15a shall be executed. (Note 4)	
					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		Either TC 9.2.1.1.16 or TC 9.2.1.1.16a shall be executed. (Note 4)	
					pc_eTDD			
9.2.1.1.16a	Attach / Rejected / EPS services not allowed in this PLMN / Single Frequency operation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration) This test is 'cells on single frequency only' equivalent of TC 9.2.1.1.16	pc_eFDD		Either TC 9.2.1.1.16 or TC 9.2.1.1.16a shall be executed. (Note 4)	
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
					pc_eTDD			
9.2.1.1.19	Attach / Abnormal case / Failure due to non integrity protection	Rel-8	R	UEs supporting E-UTRA	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	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
9.2.1.1.25	Attach / Abnormal case / Mobile originated detach required	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
9.2.1.1.26	Attach / Abnormal case / Detach procedure collision	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
9.2.1.1.27	Attach / Abnormal case / Network reject with Extended Wait Timer	Rel-10	C178	UEs supporting E-UTRA and LAP	pc_eFDD			
					pc_eTDD			
9.2.1.1.28	Attach / Success / IMS	Rel-8	C183	UEs supporting E-UTRA and VoLTE in GSMA PRD IR.92: “IMS Profile for Voice and SMS”	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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
9.2.1.2.1b	Combined attach procedure / Success / SMS only	Rel-8	C88	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and combined EPS/IMSI attach	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 or 2 Executions (Note 2 AND Note 6)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.1.2.1c	Combined attach procedure / Success / EPS and CS Fallback not preferred	Rel-8	C86	UEs supporting E-UTRA and UTRA and combined EPS/IMSI attach (with or without pre-configuration) and CS fallback and configured to CS/PS mode 1 (voice centric)	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
9.2.1.2.1d	Combined attach procedure / Success / EPS and CS Fallback not preferred/data centric UE	Rel-8	C87	UEs supporting E-UTRA and UTRA and combined EPS/IMSI attach (with or without pre-configuration) and CS fallback (and implicitly SMSoverSGs) and configured to CS/PS mode 2 (data centric)	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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	C125	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration) and (CS/PS Mode 2 or CS/PS Mode 1 with IMS Voice Support)	pc_eFDD			
					pc_eTDD			
9.2.1.2.5	Combined attach / Rejected / IMSI invalid	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.1.2.6	Combined attach / Rejected / Illegal ME	Rel-8	C02	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
9.2.1.2.7	Combined attach / Rejected / EPS services and non-EPS services not allowed	Rel-8	C02	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.1.2.8	Combined attach / Rejected / EPS services not allowed	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.1.2.9	Combined attach / Rejected / PLMN not allowed	Rel-8	C128	UEs supporting E-UTRA and UTRAN or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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 UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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 UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.1.2.14	Combined attach / rejected / Not authorized for this CSG	Rel-8	C123	UEs supporting E-UTRA and allowed CSG list and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
9.2.1.2.15	Combined attach / Abnormal case / Handling of the EPS attach attempt counter	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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			
9.2.2.1.3	UE initiated detach / EPS capability of the UE is disabled	Rel-8	C153	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration) and disabling the EPS services	pc_eFDD pc_UTRA, pc_GERAN pc_EPS_Disable	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD pc_UTRA, pc_GERAN pc_EPS_Disable			
9.2.2.1.4	UE initiated detach / detach for non-EPS services	Rel-8	C106	UEs supporting E-UTRA and detach for non-EPS services, and combined EPS/IMSI attach	pc_eFDD pc_IMSI_Detach			
					pc_eTDD pc_IMSI_Detach			
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_Re_Attach_AfterDetachColl			
					pc_eTDD, pc_Re_Attach_AfterDetachColl			
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			
9.2.2.1.10	UE initiated detach / Mapped security context	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
9.2.2.2.1	NW initiated detach / Re-attach required	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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	Void							
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			
9.2.3.1.5a	Periodic tracking area update / Accepted / Per-device timer	Rel-10	C174	UEs supporting E-UTRA and T3412 Extended IE	pc_eFDD			
					pc_eTDD			
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 UTRA or/and E-UTRA and GERAN, and, ISR	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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			
9.2.3.1.9	Normal tracking area update / Correct handling of CSG list	Rel-8	C143	UEs supporting E-UTRA and allowed CSG list and manual CSG selection and EPS attach	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_UTRA, pc_GERAN	px_RATComb_Tested, px_SinglePLMN_Tested	1 Execution (Note 1)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.1.11	Normal tracking area update / Rejected / Illegal	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with	pc_eFDD,	px_RATComb_	1 Execution (Note	

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	ME			or without pre-configuration)	pc_UTRA, pc_GERAN	Tested	1)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 1)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 1) Either TC 9.2.3.1.15 or TC 9.2.3.1.15a shall be executed. (Note 4)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.1.15a	Normal tracking area update / Rejected / PLMN not allowed / Single Frequency operation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration) This test is 'cells on single frequency only' equivalent of TC 9.2.3.1.15	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 1) Either TC 9.2.3.1.15 or TC 9.2.3.1.15a shall be executed. (Note 4)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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_UTRA, pc_GERAN	px_RATComb_ Tested, px_SinglePLM N_Tested	1 Execution (Note 1)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 1) Either TC 9.2.3.1.18 or TC 9.2.3.1.18a shall be executed. (Note 4)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.1.18a	Normal tracking area update / Rejected / EPS services not allowed in this PLMN / Single Frequency operation	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without pre-configuration) This test is 'cells on single frequency only' equivalent of TC 9.2.3.1.18	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 1) Either TC 9.2.3.1.18 or TC 9.2.3.1.18a shall be executed. (Note 4)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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 for this CSG	Rel-8	C47	UEs supporting E-UTRA and EPS attach (with or without configuration) and allowed CSG list	pc_eFDD			
					pc_eTDD			
9.2.3.1.22	Normal tracking area update / Abnormal case / access barred due to access class control or NAS signalling connection establishment rejected by the network	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					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	C04	UEs supporting E-UTRA and EPS attach (with or without configuration)	pc_eFDD			
					pc_eTDD			
9.2.3.1.26	Normal tracking area update / Abnormal case / TRACKING AREA UPDATE REJECT	Rel-8	C04	UEs supporting E-UTRA and EPS attach (with or without configuration)	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 /	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	Tracking area updating and detach procedure collision							
					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			
9.2.3.2.1a	Combined tracking area update / Successful / Check of last visited TAI and handling of TAI list, LAI and TMSI	Rel-8	C121	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration) and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
9.2.3.2.1b	Combined tracking area update / successful / SMS only	Rel-8	C88	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined attach EPS/IMSI	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 or 2 Executions (Note 2 AND Note 6)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.1c	Combined tracking area update / Success / CS Fallback not preferred	Rel-8	C87	UEs supporting E-UTRA and UTRA and combined EPS/IMSI attach (with or without pre-configuration) and CS fallback (and implicitly SMSoverSGs) and configured to CS/PS Mode 2 (data centric)	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 or 2 Executions (Note 2 AND Note 6)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.4	Combined tracking area update / successful for EPS services only / CS domain not available	Rel-8	C125	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration) and (CS/PS Mode 2 or CS/PS Mode 1 with IMS Voice Support	pc_eFDD			
					pc_eTDD			
9.2.3.2.5	Combined tracking area update / Rejected / IMSI invalid	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.6	Combined tracking area update / Rejected / Illegal ME	Rel-8	C02	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD,			Rel-9 UTRA TDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_UTRA, pc_GERAN			
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 UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.8	Combined tracking area update / Rejected / EPS services not allowed	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2 AND Note 5)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.9	Combined tracking area update / Rejected / UE identity cannot be derived by the network	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
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-configuration)	pc_eFDD			
					pc_eTDD			
9.2.3.2.11	Combined tracking area update / Rejected / PLMN not allowed	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.12	Combined tracking area update / Rejected / Tracking area not allowed	Rel-8	C02	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD			
					pc_eTDD			
9.2.3.2.13	Combined tracking area update / Rejected / Roaming not allowed in this tracking area	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.2.14	Combined tracking area update / rejected / EPS services not allowed in this PLMN	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
9.2.3.2.16	Combined tracking area update / rejected / Not authorized for this CSG	Rel-8	C123	UEs supporting E-UTRA and allowed CSG list and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD			
					pc_eTDD			
9.2.3.2.17	Combined tracking area update /Abnormal case / handling of the EPS tracking area updating attempt counter	Rel-8	C141	UEs supporting E-UTRA and combined EPS/IMSI attach (with or without pre-configuration) and CS/PS Mode 2 (data centric)	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			Rel-9 UTRA TDD
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 UTRA and ISR	pc_eFDD		1 Execution (Note 5)	
					pc_eTDD			Rel-9 UTRA TDD
9.2.3.3.3	Iu mode to S1 mode intersystem change / Periodic TAU and RAU/ ISR activated, T3423 expired	Rel-8	C59	UEs supporting E-UTRAN and UTRA and ISR	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
9.2.3.3.4	First S1 mode to Iu mode inter-system change after attach	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
9.2.3.3.5	Periodic routing area update	Rel-8	C27	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and, ISR	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.3.5a	Periodic Location Update	Rel-8	C128	UEs supporting E-UTRA and UTRA or/and E-UTRA and GERAN, and combined EPS/IMSI attach (with or without pre-configuration)	pc_eFDD, pc_UTRA, pc_GERAN	px_RATComb_ Tested	1 Execution (Note 2)	
					pc_eTDD, pc_UTRA, pc_GERAN			Rel-9 UTRA TDD
9.2.3.3.6	E-UTRAN RRC connection failure / Reselection of UTRAN cell / NAS signalling to release old S1 interface connection	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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	px_RATComb_Tested	1 Execution (Note 1)	
					pc_eTDD			Rel-9 UTRA TDD
9.3.1.5	Service request / Rejected / Illegal ME	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	px_RATComb_Tested	1 Execution (Note 1)	
					pc_eTDD			Rel-9 UTRA TDD
9.3.1.6	Service request / Rejected / EPS services not allowed	Rel-8	R	UEs supporting E-UTRA	pc_eFDD	px_RATComb_Tested	1 Execution (Note 1)	
					pc_eTDD			Rel-9 UTRA TDD
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			
9.3.1.12a	Extended service request / Rejected / CS domain temporarily not available	Rel-8	C26	UEs supporting E-UTRA and CS fallback	pc_eFDD			
					pc_eTDD			
9.3.1.15	Void							
9.3.1.16	Service request / Abnormal case / Switch off	Rel-8	C53	UEs supporting E-UTRA and switch on/off	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	C156	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	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	of EPS NAS encryption algorithm / SNOW3G							
					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			
9.4.5	Integrity protection / Correct functionality of EPS NAS integrity algorithm / ZUC	Rel-11	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					pc_eTDD			
9.4.6	Ciphering and deciphering / Correct functionality of EPS NAS encryption algorithm / ZUC	Rel-11	R	UEs supporting E-UTRA	pc_eFDD		Note 3	
					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	C97	UEs supporting E-UTRA and Multiple PDN	pc_eFDD			
					pc_eTDD			
10.4.2	EPS bearer context deactivation / Re-establishment	Rel-8	C183	UEs supporting E-UTRA and VoLTE in GSMA PRD IR.92: “IMS Profile for Voice and SMS”	pc_eFDD			
					pc_eTDD			
10.5.1	UE requested PDN connectivity procedure accepted by the network	Rel-8	C97	UEs supporting E-UTRA and Multiple PDN	pc_eFDD			
					pc_eTDD			
10.5.2	Void							
10.5.3	UE requested PDN connectivity procedure not accepted	Rel-8	C97	UEs supporting E-UTRA and Multiple PDN	pc_eFDD			
					pc_eTDD			
10.5.4	UE requested PDN connectivity not accepted / Network reject with Extended Wait Timer	Rel-10	C178	UEs supporting E-UTRA and LAP	pc_eFDD			
					pc_eTDD			
10.6.1	UE requested PDN disconnect procedure accepted by the network	Rel-8	C97	UEs supporting E-UTRA and Multiple PDN	pc_eFDD			
					pc_eTDD			
10.6.2	Void							
10.7.1	UE requested bearer resource allocation, accepted by the network / New EPS bearer context	Rel-8	C54	UEs supporting E-UTRA and ESM UE requested bearer resource allocation procedure	pc_eFDD			
					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	Rel-8	C54	UEs supporting E-UTRA and ESM UE	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	of timer T3480			requested bearer resource allocation procedure				
					pc_eTDD			
10.7.5	UE requested bearer resource allocation / BEARER RESOURCE ALLOCATION REJECT message including cause #43 “unknown EPS bearer context”	Rel-8	C98	UEs supporting E-UTRA and ESM UE requested bearer resource allocation procedure and Multiple PDN	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 and UE requested modification of network allocated TFTs	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 and UE requested modification of network allocated TFTs	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 and UE requested modification of network allocated TFTs	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 and UE requested modification of network allocated TFTs	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 and UE requested modification of network allocated TFTs	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 and UE requested modification of network allocated TFTs	pc_eFDD			
					pc_eTDD			
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 and UE requested modification of network allocated TFTs	pc_eFDD			
					pc_eTDD			
10.9.1	UE routing of uplink packets	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
11	**General Tests**							
11.1	**SMS over SGs**							

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
11.1.5	Multiple MO-SMS over SGs / Idle mode	Rel-9	C164	UEs supporting E-UTRA and concatenated multiple MO SMS over SGs	pc_eFDD		(Note 3)	
					pc_eTDD			
11.1.6	Multiple MO-SMS over SGs / Active mode	Rel-9	C164	UEs supporting E-UTRA and concatenated multiple MO SMS over SGs	pc_eFDD		(Note 3)	
					pc_eTDD			
11.2	**Emergency calls over IMS**							
11.2.1	Emergency bearer services / Normal cell / NORMAL-SERVICE / Local Emergency Numbers List sent in the Attach / PDN connect new emergency EPS bearer context / Service request / Emergency PDN disconnect	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.2	Emergency bearer services / Normal cell / LIMITED-SERVICE / Attach / PDN connect	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.3	Emergency bearer services / CSG cell / LIMITED-SERVICE / Attach / Security mode control procedure without prior authentication / PDN connect / Service request / PDN disconnect / Detach upon UE switched off / Temporary storage of EMM information	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.4	Emergency bearer services / Normal cell / NO-IMSI / Attach / No EPS security context / PDN connect / Service request / Timer T3412 expires	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.5	Emergency bearer services / Normal cell / NORMAL-SERVICE / Local Emergency Numbers List NOT sent in the Attach / PDN connect new emergency EPS bearer context / Authentication SQN code failure - MME aborts authentication continues using current security context / Service request	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
					pc_eTDD			
11.2.6	Handling of Local Emergency Numbers List provided during Attach and Normal tracking area update procedures	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.7	UE has PDN connection for emergency bearer services / Normal tracking area update / Accepted / Local Emergency Numbers List is not sent by the network / Handling of the lists of forbidden tracking areas	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.8	Attach for emergency bearer services / Rejected / No suitable cells in tracking area / Emergency call using the CS domain / UTRA or GERAN	Rel-9	C109	UEs supporting E-UTRA and IMS emergency call and establishing the emergency call using the CS domain in UTRA or GERAN	pc_eFDD		1 Execution (Note 2) Either TC 11.2.8 or TC 11.2.8a shall be executed.	
					pc_eTDD			
11.2.8a	Attach for emergency bearer services / Rejected / No suitable cells in tracking area / Emergency call using the CS domain / CDMA2000 1xRTT	Rel-9	C172	UEs supporting E-UTRA and IMS emergency call and establishing the emergency call using the CS domain in 1xRTT	pc_eFDD		Either TC 11.2.8 or TC 11.2.8a shall be executed.	
					pc_eTDD			
11.2.10	LIMITED-SERVICE / EPS does not support IMS Emergency / Emergency call using the CS domain	Rel-9	C71	UEs supporting E-UTRA and IMS emergency call	pc_eFDD			
					pc_eTDD			
11.2.11	LIMITED-SERVICE / Inter-system mobility / E-UTRA to UTRA CS / SRVCC Emergency Call Handover to UTRAN	Rel-9	C139	UEs supporting E-UTRA and UTRA and SRVCC and IMS emergency call	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	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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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 7 and (UE Category 2 or UE Category 3 or UE Category 4 or UE Category 5)	pc_eFDD			
					pc_eTDD			
12.3.3	Data transfer of E-UTRA radio bearer combinations 5, 6, 8, 11 and 12 / MIMO	Rel-8	C31	UEs supporting E-UTRA and Feature Group Indicator 7 and Feature Group Indicator 20 and (UE Category 2 or UE Category 3 or UE Category 4 or UE Category 5)	pc_eFDD			
					pc_eTDD			
12.3.4	Data transfer of E-UTRA radio bearer combination 13 / MIMO	Rel-8	C30	UEs supporting E-UTRA and Feature Group Indicator 20 and (UE Category 2 or UE Category 3 or UE Category 4 or UE Category 5)	pc_eFDD			
					pc_eTDD			
13	**Multi-layer Procedures**							
13.1.1	Activation and deactivation of additional packet radio bearer in E-UTRA	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
13.1.2	Call setup from E-UTRAN RRC_IDLE / CS fallback to UTRAN with redirection / MO call	Rel-8	C48	UEs supporting E-UTRA and UTRA and CS fallback and speech	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.1.2a	Call setup from E-UTRAN RRC_IDLE / CS fallback to UTRAN with redirection including System Information / MO call	Rel-9	C104	UEs supporting E-UTRA and UTRA and CS fallback and use of the UTRA system information provided by *RRCConnectionRelease* upon redirection and speech	pc_eFDD		Note 3	Rel-8 UTRA FDD
					pc_eTDD			Rel-9 UTRA TDD
13.1.3	Call setup from E-UTRAN RRC_CONNECTED / CS fallback to UTRAN with redirection / MT call	Rel-8	C84	UEs supporting E-UTRA and UTRA and CS fallback and speech and PS domain services and CS domain services simultaneously	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.1.4	Call setup from E-UTRAN RRC_IDLE / CS fallback to UTRAN with Handover / MT call	Rel-8	C81	UEs supporting E-UTRA and UTRA and CS fallback and Feature Group Indicator 8 and speech and PS domain services and CS domain services simultaneously	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.1.5	Call setup from E-UTRAN RRC_CONNECTED / CS fallback to UTRAN with Handover / MO call	Rel-8	C81	UEs supporting E-UTRA, UTRA, CS fallback and Feature Group Indicator 8 and speech and PS domain services and CS domain services simultaneously	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
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 and speech	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 and speech	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
13.1.9	Call setup from E-UTRA RRC_IDLE / CS fallback to GSM with CCO without NACC / MO call	Rel-8	C96	UEs supporting E-UTRA and GERAN and CS fallback and Feature Group Indicator 10 and speech	pc_eFDD			
					pc_eTDD			
13.1.10	Call setup from E-UTRA RRC_CONNECTED / CS fallback to GSM with CCO without NACC / MT call	Rel-8	C96	UEs supporting E-UTRA and GERAN and CS fallback and Feature Group Indicator 10 and speech	pc_eFDD			
					pc_eTDD			
13.1.11	Call setup from E-UTRA RRC_IDLE / CS fallback to GSM with PSHO / EDTM not supported / MT call	Rel-8	C110	UEs supporting E-UTRA and GERAN and CS fallback and PS handover from E-UTRAN to GERAN and Feature Group Indicator 23 and speech	pc_eFDD			
					pc_eTDD			
13.1.12	Call setup from E-UTRA RRC_CONNECTED / CS fallback to GSM with PSHO / EDTM not supported / MO call	Rel-8	C110	UEs supporting E-UTRA and GERAN and CS fallback and PS handover from E-UTRAN to GERAN and Feature Group Indicator 23 and speech	pc_eFDD			
					pc_eTDD			
13.1.13	Call setup from E-UTRA RRC_IDLE / CS fallback to GSM with PSHO / EDTM supported / MT call	Rel-8	C111	UEs supporting E-UTRA and GERAN and EDTM and CS fallback and PS handover from E-UTRAN to GERAN and Feature Group Indicator 23 and speech	pc_eFDD			
					pc_eTDD			
13.1.15	Call setup from E-UTRAN RRC_IDLE / CS fallback to UTRAN with redirection / MT call / UTRAN cell is barred	Rel-8	C48	UEs supporting E-UTRA and UTRA and CS fallback and speech	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.1.16	Emergency call setup from E-UTRAN RRC_IDLE / CS fallback to UTRAN with handover	Rel-8	C105	UEs supporting E-UTRA and UTRA and CS fallback and Feature Group Indicator 8 and speech	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.1.17	Call setup from E-UTRAN RRC_IDLE / mobile originating 1xCS fallback emergency call to 1xRTT	Rel-8	C41	UEs supporting E-UTRA and 1xRTT and 1xCS fallback	pc_eFDD			
					pc_eTDD			
13.1.18	Call setup from E-UTRAN RRC_IDLE / mobile originating enhanced 1xCS fallback emergency call to 1xRTT	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and 1xCS 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-	Rel-8	R	UEs supporting E-UTRA	pc_eFDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
	establishment of a new connection when further data is to be transferred							
					pc_eTDD			
13.3.1.3	RRC connection reconfiguration / Full configuration / DRB establishment	Rel-9	R	UEs supporting E-UTRA	pc_eFDD			
					pc_eTDD			
13.3.2.1	Inter-system connection re-establishment / E-UTRAN to UTRAN / Further data are to be transferred	Rel-8	C01	UEs Supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.3.2.2	Inter-system connection re-establishment / E-UTRAN to GPRS / Further data are to be transferred	Rel-8	C05	UEs Supporting E-UTRA and GERAN	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			
13.4.1.3	Intra-system mobility / E-UTRA FDD to E-UTRA TDD to E-UTRA FDD packet	Rel-8	C63	UEs supporting E-UTRA FDD and TDD and Feature Group Indicator 25and Feature Group Indicator 30				
13.4.1.4	Inter-band mobility / E-UTRA to E-UTRA packet	Rel-9	C185	UEs supporting E-UTRA and Feature Group Indicator 13 and Feature Group Indicator 25 and more than 1 FDD or TDD E-UTRA band	pc_eFDD			Note 3
					pc_eTDD			
13.4.1.5	RRC connection reconfiguration / Handover/ Full configuration / DRB establishment	Rel-9	R	UEs supporting E-UTRA	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			Rel-9 UTRA TDD
13.4.2.2	Inter-system mobility / E-UTRAN to GPRS packet	Rel-8	C107	UEs supporting E-UTRA and GERAN and PS handover from E-UTRAN to GERAN and Feature Group Indicator 23	pc_eFDD			
					pc_eTDD			
13.4.2.4	Inter-system mobility / Service based redirection from UTRA to E-UTRA	Rel-8	C01	UEs supporting E-UTRA and UTRA	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.4.2.5	Inter-system mobility / Service based redirection from GSM/GPRS to E-UTRA	Rel-8	C114	UEs supporting E-UTRA and GERAN and CCN towards E-UTRAN and E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	pc_eFDD			
					pc_eTDD			
13.4.2.6	Inter-RAT PS Handover / from GPRS packet transfer to E-UTRA cell	Rel-8	C89	UEs supporting E-UTRA and GERAN and GERAN to E-UTRAN PS Handover	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
13.4.2.7	Inter-RAT PS Handover / Synchronised / From GPRS Packet_transfer to E-UTRA cell (CCN mode)	Rel-8	C89	UEs supporting E-UTRA and GERAN and GERAN to E-UTRAN PS Handover	pc_eFDD			
					pc_eTDD			
13.4.2.8	Inter-RAT PS Handover / Synchronised / From GPRS Packet_transfer to E-UTRA cell (NC2 mode)	Rel-8	C89	UEs supporting E-UTRA and GERAN and GERAN to E-UTRAN PS Handover	pc_eFDD			
					pc_eTDD			
13.4.3.1	Inter-system mobility / E-UTRA voice to UTRA CS voice / SRVCC	Rel-8	C112	UEs supporting E-UTRA and UTRA and Feature Group Indicator 7 and Feature Group Indicator 8 and Feature Group Indicator 22 and Feature Group Indicator 27 and SRVCC and IMS voice	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.4.3.2	Inter-system mobility / E-UTRA PS voice + PS data to UTRA CS voice + PS data / SRVCC	Rel-8	C112	UEs supporting E-UTRA and UTRA and Feature Group Indicator 7 and Feature Group Indicator 8 and Feature Group Indicator 22 and Feature Group Indicator 27 and SRVCC and IMS voice	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.4.3.3	Inter-system mobility / E-UTRA voice to GSM CS voice / SRVCC	Rel-8	C144	UEs supporting E-UTRA and GERAN and Feature Group Indicator 7, 9, 23 and 27 and SRVCC from E-UTRAN to GERAN/UTRAN and VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS"	pc_eFDD			
					pc_eTDD			
13.4.3.4	Inter-system mobility / E-UTRA voice to UTRA CS voice / Unsuccessful case / Retry on old cell / SRVCC	Rel-8	C112	UEs supporting E-UTRA and UTRA and Feature Group Indicator 7 and Feature Group Indicator 8 and Feature Group Indicator 22 and Feature Group Indicator 27 and SRVCC and IMS voice	pc_eFDD			
					pc_eTDD			Rel-9 UTRA TDD
13.4.3.5	Inter-system mobility / E-UTRA voice to GSM CS voice / Unsuccessful case / Retry on old cell / SRVCC	Rel-8	C144	UEs supporting E-UTRA and GERAN and Feature Group Indicator 7, 9, 23 and 27 and SRVCC from E-UTRAN to GERAN/UTRAN and VoLTE in GSMA PRD IR.92: "IMS Profile for Voice and SMS"	pc_eFDD			
					pc_eTDD			
13.4.3.6	Inter-system mobility / E-UTRA PS voice + PS Data / HO cancelled / Notification procedure/ SRVCC	Rel-9	C160	UEs supporting E-UTRA and UTRA and Feature Group Indicator 7, 8, 22 and 27 and SRVCC and IMS voice and Notification procedure	pc_eFDD			
					pc_eTDD			
13.4.3.7	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MO call	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
13.4.3.8	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MO call / Forked responses	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.9	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MO call / SRVCC HO failure	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.10	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MT call	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.11	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MT call / SRVCC HO failure	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.12	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MT call / User answers in PS domain	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.13	Inter-system mobility / E-UTRA voice to UTRA CS voice / aSRVCC / MT call / User answers in PS domain / SRVCC HO cancelled	Rel-10	C161	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC and Notification procedure	pc_eFDD			
					pc_eTDD			
13.4.3.14	Inter-system mobility / E-UTRA PS voice + PS data to UTRA CS voice + PS data / aSRVCC / MO call	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.15	Inter-system mobility / E-UTRA PS voice + PS data to UTRA CS voice + PS data / aSRVCC / MO call / SRVCC HO cancelled	Rel-10	C161	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC and Notification procedure	pc_eFDD			
					pc_eTDD			
13.4.3.16	Inter-system mobility / E-UTRA PS voice + PS data to UTRA CS voice + PS data / aSRVCC / MT call	Rel-10	C159	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC	pc_eFDD			
					pc_eTDD			
13.4.3.17	Inter-system mobility / E-UTRA PS voice + PS data to UTRA CS voice + PS data / aSRVCC / MT call / SRVCC HO cancelled	Rel-10	C161	UEs supporting E-UTRA and UTRA and Feature Group Indicator 27 and IMS voice and aSRVCC and Notification procedure	pc_eFDD			
					pc_eTDD			
13.4.4.1	Pre-registration at 1xRTT and Cell reselection / 1x Zone Registration	Rel-9	C41	UEs supporting E-UTRA and 1xRTT and 1xCS fallback	pc_eFDD			
					pc_eTDD			
13.4.4.2	Pre-registration at 1xRTT and Cell reselection / 1x Ordered Registration	Rel-9	C41	UEs supporting E-UTRA and 1xRTT and 1xCS fallback	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
13.4.4.3	Inter-system session management / eHRPD Multiple PDN setup in eHRPD pre-registration state	Rel-9	C42	UEs supporting E-UTRA and HRPD and Feature Group Indicator 12 and Feature Group Indicator 26	pc_eFDD			
					pc_eTDD			
13.4.4.4	Inter-system session management / Pre-registration at HRPD and Cell reselection / HRPD Zone Registration	Rel-9	C42	UEs supporting E-UTRA and HRPD and Feature Group Indicator 12 and Feature Group Indicator 26	pc_eFDD			
					pc_eTDD			
13.4.4.5	Pre-Registration at 1xRTT / Power Down Registration	Rel-9	C116	UEs supporting E-UTRA and 1xRTT and Enhanced 1xCS fallback	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			
14.3	Void							
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			
					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	Void							
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			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
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			
17	**MBMS in LTE**							
17.1	**MCCH Information Acquisition**							
17.1.1	MCCH information acquisition/ UE is switched on	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.1.2	MCCH information acquisition/UE cell reselection to a cell in a new MBSFN area	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.1.3	MCCH information acquisition/UE handover to a cell in a new MBSFN area	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.1.4	MCCH information acquisition/ UE is receiving an MBMS service	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.1.5	MCCH information acquisition/ UE is not receiving MBMS data	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.2	**MBMS data receiving**							
17.2.1	UE Acquire the MBMS data based on the SIB13 and MCCH message /MCCH and MTCH are on the same MCH	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.2.2	UE Acquire the MBMS data based on the SIB13 and MCCH message /MCCH and MTCH are on different MCHs	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.2.3	UE receives the MBMS data when this data is in the beginning of the MSP	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.2.4	Reception of PDCCH DCI format 0 and PHICH in MBSFN subframes	Rel-9	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			

Clause	TC Title	Release	Applicability		Additional Information			
			Condition	Comment	Specific ICS	Specific IXIT	Number of TC Executions	Release other RAT
17.3	**MBMS Counting Procedure**							
17.3.1	MBMS Counting / UE not receiving MBMS service	Rel-10	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.3.2	MBMS Counting / UE receiving MBMS service	Rel-10	C113	UEs supporting E-UTRA and MBMS	pc_eFDD			
					pc_eTDD			
17.4	**MBMS Service Continuity**							
17.4.1	Cell reselection to intra-frequency cell to continue MBMS service reception	Rel-11	C113a	UEs supporting E-UTRA, MBMS and MBMS service continuity	pc_eFDD			
					pc_eTDD			
17.4.2	Cell reselection to inter- frequency cell to start MBMS service reception	Rel-11	C113a	UEs supporting E-UTRA, MBMS and MBMS service continuity	pc_eFDD			
					pc_eTDD			
17.4.4	Handover to intra-frequency cell to continue MBMS service reception	Rel-11	C113a	UEs supporting E-UTRA and MBMS and MBMS service continuity	pc_eFDD			
					pc_eTDD			
17.4.6	MBMS Interest Indication retransmission after returning from cell not broadcasting SIB15	Rel-11	C113a	UEs supporting E-UTRA and MBMS and MBMS service continuity	pc_eFDD			
					pc_eTDD			
17.4.7	MBMS Interest Indication after Radio Link Failure	Rel-11	C113a	UEs supporting E-UTRA and MBMS and MBMS service continuity	pc_eFDD			
					pc_eTDD			
17.4.8	Continue MBMS service reception after E-UTRAN release of unicast bearer	Rel-11	C113a	UEs supporting E-UTRA and MBMS and MBMS service continuity	pc_eFDD			
					pc_eTDD			
18	**PWS Over LTE**							
18.1.1	PWS reception in RRC_IDLE state / Duplicate detection	Rel-9	C129	UEs supporting E-UTRA and CMAS	pc_eFDD		Note 3	
18.1.2	PWS reception in RRC_CONNECTED state / Duplicate detection	Rel-9	C129	UEs supporting E-UTRA and CMAS	pc_eFDD		Note 3	
18.1.3	PWS reception in RRC_CONNECTED State/Power On	Rel-9	C129	UEs supporting E-UTRA and CMAS	pc_eFDD		Note 3	

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	Void
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	Void
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	Void
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	Void
C29	IF A.4.5-1/7 AND (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
C30	IF A.4.5-1/20 AND (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
C31	IF (A.4.5-1/7 AND A.4.5-1/20 AND (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
C32	IF (A.4.5-1/7 AND A.4.5-1/20) THEN R ELSE N/A
C33	IF A.4.5-1/20 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 OR A.4.4-1/53) AND A.4.5-2/2 THEN R ELSE N/A
C38	IF A.4.1-1/7 AND A.4.5-1/10 AND A.4.5-1/23 THEN R ELSE N/A
C39	IF A.4.1-1/6 AND 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.4.1-1/7 AND 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.4.2.1.1-1/3 THEN R ELSE N/A

C42	IF A.4.1-1/3 AND A.4.5-1/12 AND A.4.5-1/26 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	Void
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.4.2.1.1-1/1 AND [8]A.2/1 THEN R ELSE N/A
C49	IF A.4.4-1/6 AND A.4.4-1/10 THEN R ELSE N/A
C50	Void
C51	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.4-1/9 AND (A.4.4-1/12 OR A.4.4-1/13 OR A.4.4-1/14 OR A.4.4-1/15) 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 AND A.4.4-1/54 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 AND [8]A.2/1 THEN R ELSE N/A
C58	IF A.4.5-1/21 THEN R ELSE N/A
C59	IF A.4.1-1/6 AND A.4.4-1/5 THEN R ELSE N/A
C60	IF A.4.1-1/7 AND A.4.2.1.1-1/1 AND [8]A.2/1 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	Void
C63	IF A.4.1-1/1 AND A.4.1-1/2 AND A.4.5-1/25 AND A.4.5-1/30 THEN R ELSE N/A
C64	IF A.4.4-1/20 THEN R ELSE N/A
C65	Void
C66	IF [8]A.1/4 AND A.4.4-1/21 THEN R ELSE N/A
C67	Void
C68	IF A.4.4-1/6 AND A.4.4-1/22 THEN R ELSE N/A
C69	IF A.4.4-1/6 AND A.4.4-1/23 THEN R ELSE N/A
C70	Void
C71	IF A.4.2.1.1-1/4 THEN R ELSE N/A
C72	Void
C73	Void
C74	IF A.4.4-1/26 THEN R ELSE N/A
C75	IF A.4.1-1/6 AND A.4.4-1/2 THEN R ELSE N/A
C76	IF A.4.1-1/6 AND A.4.4-1/2 AND A.4.4-1/49 THEN R ELSE N/A
C77	IF A.4.1-1/6 AND A.4.5-2/1THEN R ELSE N/A
C78	Void
C79	Void
C80	IF A.4.4-1/2 AND A.4.4-1/49 THEN R ELSE N/A
C81	IF ([8]A.1/1 OR [8]A.1/2) AND A.4.2.1.1-1/1 AND A.4.5-1/8 AND [8]A.2/1 AND [8]A.3/3 THEN R ELSE N/A
C82	IF A.4.1-1/6 AND A.4.4-1/2 AND A.4.5-2/1THEN R ELSE N/A
C83	Void
C84	IF A.4.1-1/6 AND A.4.2.1.1-1/1 AND [8]A.2/1 AND [8]A.3/3 THEN R ELSE N/A
C85	Void

C86	IF A.4.1-1/6 AND A.4.4-2/2 AND A.4.2.1.1-1/1 AND A.4.4-2/4 THEN R ELSE N/A
C87	IF A.4.1-1/6 AND A.4.4-2/2 AND A.4.2.1.1-1/1 AND A.4.4-2/5 THEN R ELSE N/A
C88	IF (A.4.2.1.1-1/2 OR A.4.2.1.1-1/3) AND (A.4.1-1/6 OR A.4.1-1/7) AND A.4.4-2/2 THEN R ELSE N/A
C89	IF A.4.1-1/7 AND A.4.4-1/29 THEN R ELSE N/A
C90	IF A.4.1-1/7 AND A.4.5-1/23 THEN R ELSE N/A
C91	IF A.4.1-1/6 AND A.4.5-1/22 THEN R ELSE N/A
C92	IF A.4.1-1/3 AND A.4.5-1/26 THEN R ELSE N/A
C93	IF A.4.1-1/4 AND A.4.5-1/24 THEN R ELSE N/A
C94	Void
C95	IF A.4.1-1/7 AND A.4.4-1/2 AND A.4.4-1/49 THEN R ELSE N/A
C96	IF A.4.5-1/10 AND A.4.1-1/7 AND A.4.2.1.1-1/1 AND [8]A.2/1 THEN R ELSE N/A
C97	IF A.4.4-1/30 THEN R ELSE N/A
C98	IF (A.4.4-1/18 AND A.4.4-1/30) THEN R ELSE N/A
C99	IF A.4. 4-1/51 AND A.4.5-1/7 THEN R ELSE N/A
C100	IF A.4. 4-1/50 AND A.4.5-1/7 THEN R ELSE N/A
C101	Void
C102	Void
C103	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3.2-1/1 THEN R ELSE N/A
C104	IF A.4.1-1/6 AND A.4.2.1.1-1/1 AND A.4.4-1/31 AND [8]A.2/1 THEN R ELSE N/A
C105	IF A.4.1-1/6 AND A.4.2.1.1-1/1 AND A.4.5-1/8 AND [8]A.2/1 THEN R ELSE N/A
C106	IF A.4.4-1/34 AND A.4.4-2/2 THEN R ELSE N/A
C107	IF A.4.1-1/7 AND A.4.4-1/52 AND A.4.5-1/23 THEN R ELSE N/A
C108	Void
C109	IF A.4.2.1.1-1/4 AND (A.4.4-1/35 OR A.4.4-1/36) THEN R ELSE N/A
C110	IF A.4.4-1/52 AND A.4.5-1/23 AND A.4.1-1/7 AND A.4.2.1.1-1/1 AND [8]A.2/1 THEN R ELSE N/A
C111	IF A.4.4-1/38 AND A.4.4-1/52 AND A.4.5-1/23 AND A.4.1-1/7 AND A.4.2.1.1-1/1 AND [8]A.2/1 THEN R ELSE N/A
C112	IF A.4.1-1/6 AND A.4.5-1/7 AND A.4.5-1/8 AND A.4.5-1/22 AND A.4.5-1/27 AND A.4.4-1/32 AND A.4.4-1/33 THEN R ELSE N/A
C113	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.2.1.1-1/5 THEN R ELSE N/A
C113a	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.2.1.1-1/5 AND A.4.2.1.1-1/7 THEN R ELSE N/A
C114	IF A.4.1-1/7 AND A.4.4-1/39 THEN R ELSE N/A
C115	IF (A.4.1-1/7 AND [8]A.2/1) THEN R ELSE N/A
C116	IF A.4.1-1/4 AND A.4.2.1.1-1/6 THEN R ELSE N/A
C117	IF A.4.1-1/6 AND (([8]A.18a/14 AND [8]A.18a/18) OR ([8]A.18b/10 AND [8]A.18b/14)) AND A.4.5-1/8 AND A.4.5-1/22 THEN R ELSE N/A
C118	IF A.4.4-1/2 AND A.4.5-1/25 THEN R ELSE N/A
C119	IF A.4.1-1/6 AND A.4.4-1/2 AND A.4.5-1/22 THEN R ELSE N/A
C120	IF A.4.5-1/3 AND A.4.5-1/7 AND A.4.4-1/40 AND A.4.4-1/41 THEN R ELSE N/A
C121	IF A.4.4-2/2 AND A.4.1-1/6 THEN R ELSE N/A
C122	Void
C123	IF A.4.4-1/2 AND A.4.4-2/2THEN R ELSE N/A
C124	Void
C125	IF A.4.4-2/2 AND (A.4.4-2/5 or (A.4.4-2/4 AND A.4.4-1/33)) THEN R ELSE N/A

C126	IF A.4.1-1/6 AND A.4.4-1/56 THEN R ELSE N/A
C127	IF A.4.1-1/6 AND A.4.4-1/57 THEN R ELSE N/A
C128	IF A.4.4-2/2 AND (A.4.1-1/6 OR A.4.1-1/7) THEN R ELSE N/A
C129	IF A.4.4-1/58 THEN R ELSE N/A
C130	IF A.4.1-1/1 AND A.4.1-1/2 AND A.4.5-1/25 THEN R ELSE N/A
C131	IF A.4.1-1/6 AND (NOT A.4.4-1/57) THEN R ELSE N/A
C132	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3.3.1-1/1 OR A.4.3.3.1-1/2) THEN R ELSE N/A
C133	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3.3.1-1/1 OR A.4.3.3.1-1/2) AND (A.4.3.3.1-2/1 OR A.4.3.3.1-2/2) THEN R ELSE N/A
C134	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3.3.1-1/1 OR A.4.3.3.1-1/2) AND A.4.5-1/25 AND A.4.5-3/11 THEN R ELSE N/A
C135	Void
C136	Void
C137	IF A.4.4-1/62 THEN R ELSE N/A
C138	IF A.4.1-1/6 AND (A.4.4-1/8 OR A.4.4-1/53) AND A.4.4-1/62 AND A.4.5-2/2 THEN R ELSE N/A
C139	IF A.4.1-1/6 AND A.4.4-1/32 AND A.4.2.1.1-1/4 THEN R ELSE N/A
C140	IF A.4.1-1/6 AND [8]A.2/2 THEN R ELSE N/A
C141	IF A.4.4-2/2 AND A.4.4-2/5 THEN R ELSE N/A
C142	IF A.4.1-1/1 AND A.4.1-1/2 THEN R ELSE N/A
C143	IF A.4.4-1/2 AND A.4.4-1/49 AND A.4.4-2/1 THEN R ELSE N/A
C144	IF A.4.1-1/7 AND A.4.5-1/7 AND A.4.5-1/9 AND A.4.5-1/23 AND A.4.4-1/32 AND A.4.4-1/33 THEN R ELSE N/A
C145	IF A.4.4-1/65 THEN R ELSE N/A
C146	IF A.4.1-1/6 AND (A.4.4-1/8 OR A.4.4-1/53) THEN R ELSE N/A
C147	IF (A.4.1-1/1 OR A.4.1-1/2) AND A4.4-1/63 THEN R ELSE N/A
C148	IF (A.4.1-1/1 OR A.4.1-1/2) AND A4.5-1/23 THEN R ELSE N/A
C149	Void
C150	IF A.4.1-1/6 OR (A.4.1-1/6 AND A.4.1-1/7) THEN R ELSE N/A
C151	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3.3.3-1/1 THEN R ELSE N/A
C152	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3.3.3-1/1 AND A.4.5-3/11 THEN R ELSE N/A
C153	IF A.4.4-2/2 AND A.4.4-1/26 THEN R ELSE N/A
C154	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.5-3/15 THEN R ELSE N/A
C155	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.1-1/6 AND A.4.5-3/12 AND (A.4.4-1/8 OR A.4.4-1/53) AND A.4.5-2/2 THEN R ELSE N/A
C156	IF A.4.4-1/2 THEN R ELSE N/A
C157	IF A.4.4-1/69 THEN R ELSE N/A
C158	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.4-1/70 THEN R ELSE N/A
C159	IF A.4.1-1/6 AND A.4.5-1/27 AND A.4.4-1/33 AND [45] A.12/34 THEN R ELSE N/A
C160	IF A.4.1-1/6 AND A.4.5-1/7 AND A.4.5-1/8 AND A.4.5-1/22 AND A.4.5-1/27 AND A.4.4-1/32 AND A.4.4-1/33 AND A.4.4-1/71 THEN R ELSE N/A
C161	IF A.4.1-1/6 AND A.4.5-1/27 AND A.4.4-1/33 AND A.4.4-1/71 AND [45] A.12/34 THEN R ELSE N/A
C162	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3.3.3-1/1 AND A.4.3.3.3-2/1 THEN R ELSE N/A
C163	IF A.4.1-1/7 AND A.4.4-1/29 AND A.4.4-1/62 THEN R ELSE N/A
C164	IF A.4.4-1/72 THEN R ELSE N/A
C165	IF (A.4.1-1/3) AND (A.4.4-1/62) THEN R ELSE N/A

C166	IF A.4.5-1/14 THEN R ELSE N/A
C167	IF A.4.5-1/14 AND A.4.5-1/25 THEN R ELSE N/A
C168	IF A.4.1-1/6 AND A.4.5-1/15 THEN R ELSE N/A
C169	IF A.4.1-1/7 AND (NOT A.4.4-1/78) THEN R ELSE N/A
C170	IF A.4.1-1/1 AND A.4.4-1/76 THEN R ELSE N/A
C171	IF A.4.1-1/7 AND A.4.4-1/79 THEN R ELSE N/A
C172	IF A.4.2.1.1-1/4 AND A.4.4-1/37 THEN R ELSE N/A
C173	IF A.4.4-1/80 THEN R ELSE N/A
C174	IF A.4.4-1/81 THEN R ELSE N/A
C175	IF A.4.1-1/2 AND A.4.4-1/82 THEN R ELSE N/A
C176	IF (A.4.1-1/1 OR A.4.1-1/2) AND (A.4.3.3.1-1/1 OR A.4.3.3.1-1/2) AND (NOTA.4.3.2-1/1) THEN R ELSE N/A
C177	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.3.3.3-1/1 AND (NOT A.4.3.2-1/1) THEN R ELSE N/A
C178	IF A.4.4-1/83 THEN R ELSE N/A
C179	IF A.4.4-1/84 THEN R ELSE N/A
C180	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.1-1/6 AND A4.4-1/63 THEN R ELSE N/A
C181	IF (A.4.1-1/1 OR A.4.1-1/2) AND A4.4-1/85 THEN R ELSE N/A
C182	IF A.4.1-1/6 AND [8]A.2/2 AND(NOT A.4.4-1/25) THEN R ELSE N/A
C183	IF A.4.4-1/33 THEN R ELSE N/A
C184	IF (A.4.1-1/1 AND A.4.1-2/1) OR (A.4.1-1/2 AND A.4.1-2/2) THEN R ELSE N/A
C185	IF (A.4.5-1/13 AND A.4.5-1/25) AND ((A.4.1-1/1 AND A.4.1-2/1) OR (A.4.1-1/2 AND A.4.1-2/2)) THEN R ELSE N/A
C186	IF A.4.5-1/25 AND ((A.4.1-1/1 AND A.4.1-2/1) OR (A.4.1-1/2 AND A.4.1-2/2)) THEN R ELSE N/A
C187	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.4-1/86 THEN R ELSE N/A
C188	IF (A.4.1-1/1 OR A.4.1-1/2) AND A.4.4-1/87 THEN R ELSE N/A
C189	IF A.4.5-1/31THEN R ELSE N/A

Table 4-1b: Number of TC Executions - Notes

Note 1:	The TC contains multi-RAT branches not all mandatory in the scope of the TC. The E-UTRA/EPC branch will be executed always; the TC will go through any other RAT branch depending on the UE capability. Execution only of the E-UTRA/EPC branch regardless of the UE capabilities can also be imposed by setting the IXIT px_RATComb_Tested= EUTRA_only. For UEs supporting both UTRA AND GERAN the TC should be executed once only for the E-UTRA/EPC AND UTRA combination by setting the px_RATComb_Tested= EUTRA_UTRA.
Note 2:	The TC contains multi-RAT branches mandatory in the scope of the TC. The TC shall be executed once per supported by the UE RAT combination i.e. once if the UE supports E-UTRA/EPC AND UTRA, or, once if the UE supports E-UTRA/EPC AND GERAN. For UEs supporting both UTRA AND GERAN the TC should be executed once only for the E-UTRA/EPC AND UTRA combination by setting the px_RATComb_Tested= EUTRA_UTRA.
Note 3:	This TC can optionally be executed with a Rel-8 UE.
Note 4:	The two TCs verify the same core spec requirement(s) however in a different cell configuration to address different NWK deployments i.e. with different cells operating on multiple (different) or single (the same) frequency. It is recommended that the multi frequency test should be run by default. For exceptions to this recommendation depending on the band of operation see TS 36.523-3 section 11.
Note 5:	For UEs that can be configured in at least one of the CS/PS modes (CS/PS mode 1 or CS/PS mode 2), AND, at least one of the PS modes (PS mode 1 or PS mode 2), this TC shall be run with the UE configured either in PS mode 1 or PS mode 2. Otherwise not all of the test's TPs will be verified.
Note 6:	For UEs that can be configured in both CS/PS modes (CS/PS mode 1 and CS/PS mode 2), OR, both PS modes (PS mode 1 and PS mode 2), this TC shall be run 2 times: once per configurable mode. Otherwise not all of the test's TPs will be verified. (Example: if the UE can be configured in CS/PS mode 1 and CS/PS mode 2 then the test case should be run once with UE configured in CS/PS mode 1 and once configured in CS/PS mode 2).

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

Notwithstanding the provisions of the copyright clause related to the text of the present document, The Organizational Partners of 3GPP grant that users of the present document may freely reproduce the ICS proforma in this annexso that it can be used for its intended purposes and may further publish the completed ICS.

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	

Table A.4.1-2: UE general functionality

Item	UE Functionality	Ref.	Release	Mnemonic	Comments
1	Support of multiple E-UTRA FDD bands	36.101, 5.5	Rel-8	pc_eFDD_MultiBand	
2	Support of multiple E-UTRA TDD bands	36.101, 5.5	Rel-8	pc_eTDD_MultiBand	

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 [8], 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. If pc_CS_fallback is true, pc_SMS_SGs shall be set to true A UE with the voice domain preference set to CS Voice only or IMS PS voice preferred, CS Voice as secondary or CS voice preferred, IMS PS Voice as secondary shall set this PICS to true.
2	Support of SMS over SGs	24.301	Rel-8	pc_SMS_SGs	The UE supports SMS over SGs and is configured for SMS over SGs. If it is set to true, at least one of pc_SMS_SGs_MT and pc_SMS_SGs_MO is true. If it is set to true, pc_combined_attach shall be set to true
3	Support of 1xCS fallback	24.301	Rel-8	pc_1xCSfallback	
4	Support of IMS emergency call	22.101	Rel-9	pc_IMS_emergency_call	For Rel-9 or later releases: mandatory for UEs which supports IMS speech.
5	Support of eMBMS	36.331	Rel-9	pc_eMBMS	The UE supports eMBMS.
6	Support of Enhanced 1xCS fallback	23.272	Rel-9	pc_Enhanced_1xCSfallback	
7	Support of eMBMS service continuity	36.331	Rel-11	pc_eMBMS_SC	The UE supports eMBMS service continuity.
NOTE: A UE may support one or more of bearer service 1, 2, 3, 4 or 5.					

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	Mnemonic	Comments
1	UE test loop	36.509	Rel-8		
2	Max UE test loop UL RLC SDU size 65535 bits	36.509	Rel-8		
3	Update UE Location Information	36.509, cl 5.1	Rel-10	pc_UpdateUE_LocationInformation	

A.4.3.1 RF Baseline Implementation Capabilities

NOTE: The values indicated in column "Release" in tables A.4.3.1-1 and A.4.3.1-2 below are to be understood as the specifications release version in which a band was introduced and not as a mandate that a UE conforming to particular release shall support a particular band. For further guidance to release independent bands see TS 36.307 [30].

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, 5.5	Rel-8	pc_eBand1_Supp	Band 1
2	Frequency band: 1850-1910, 1930-1990 MHz	36.101, 5.5	Rel-8	pc_eBand2_Supp	Band 2
3	Frequency band: 1710-1785, 1805-1880 MHz	36.101, 5.5	Rel-8	pc_eBand3_Supp	Band 3
4	Frequency band: 1710-1755, 2110-2155 MHz	36.101, 5.5	Rel8	pc_eBand4_Supp	Band 4
5	Frequency band: 824–849, 869-894 MHz	36.101, 5.5	Rel-8	pc_eBand5_Supp	Band 5
6	Frequency band: 830-840, 875-885 MHz	36.101, 5.5	Rel-8	pc_eBand6_Supp	Band 6
7	Frequency band: 2500-2570, 2620-2690 MHz	36.101, 5.5	Rel-8	pc_eBand7_Supp	Band 7
8	Frequency band: 880-915, 925-960 MHz	36.101, 5.5	Rel-8	pc_eBand8_Supp	Band 8
9	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	36.101, 5.5	Rel-8	pc_eBand9_Supp	Band 9
10	Frequency band: 1710-1770, 2110-2170 MHz	36.101, 5.5	Rel-8	pc_eBand10_Supp	Band 10
11	Frequency band: 1427.9-1452.9, 1475.9-1500.9 MHz	36.101, 5.5	Rel-8	pc_eBand11_Supp	Band 11
12	Frequency band: 699-716, 729-746 MHz	36.101, 5.5	Rel-8	pc_eBand12_Supp	Band 12
13	Frequency band: 777-787, 746-756 MHz	36.101, 5.5	Rel-8	pc_eBand13_Supp	Band 13
14	Frequency band: 788-798, 758-768 MHz	36.101, 5.5	Rel-8	pc_eBand14_Supp	Band 14
15	Reserved				
16	Reserved				
17	Frequency band: 704-716, 734-746 MHz	36.101, 5.5	Rel-8	pc_eBand17_Supp	Band 17
18	Frequency band: 815-830, 860-875 MHz	36.101, 5.5	Rel-9	pc_eBand18_Supp	Band 18
19	Frequency band: 830-845, 875-890 MHz	36.101, 5.5	Rel-9	pc_eBand19_Supp	Band 19
20	Frequency band: 832-862, 791-821 MHz	36.101, 5.5	Rel-9	pc_eBand20_Supp	Band 20
21	Frequency band: 1447.9-1462.9, 1495.9-1510.9 MHz	36.101, 5.5	Rel-9	pc_eBand21_Supp	Band 21
22	Frequency band: 3410-3490, 3510-3590 MHz	36.101, 5.5	Rel-10	pc_eBand22_Supp	Band 22
23	Frequency band: 2000-2020, 2180-2200 MHz	36.101, 5. 5	Rel-10	pc_eBand23_Supp	Band 23
24	Frequency band: 1626.5-1660.5, 1525-1559 MHz	36.101, 5. 5	Rel-10	pc_eBand24_Supp	Band 24
25	Frequency band: 1850-1915, 1930-1995 MHz	36.101, 5. 5	Rel-10	pc_eBand25_Supp	Band 25
26	Frequency band: 814-849, 859-894 MHz	36.101, 5. 5	Rel-11	pc_eBand26_Supp	Band 26
27	Frequency band: 807-824, 852-869 MHz	36.101, 5. 5	Rel-11	pc_eBand27_Supp	Band 27
28	Frequency band: 703-748, 758-803 MHz	36.101, 5. 5	Rel-11	pc_eBand28_Supp	Band 28
29	Frequency band: N/A, 717-728 MHz	36.101, 5. 5	Rel-11	pc_eBand29_Supp	Band 29
31	Frequency band: 452.5-457.5, 462.5-467.5 MHz	36.101, 5. 5	Rel-12	pc_eBand31_Supp	Band 31

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, 5.5	Rel-8	pc_eBand33_Supp	Band 33
2	Frequency band: 2010- 2025 MHz	36.101, 5.5	Rel-8	pc_eBand34_Supp	Band 34
3	Frequency band: 1850-1910 MHz	36.101, 5.5	Rel-8	pc_eBand35_Supp	Band 35
4	Frequency band: 1930-1990 MHz	36.101, 5.5	Rel-8	pc_eBand36_Supp	Band 36
5	Frequency band: 1910-1930 MHz	36.101, 5.5	Rel-8	pc_eBand37_Supp	Band 37
6	Frequency band: 2570-2620 MHz	36.101, 5.5	Rel-8	pc_eBand38_Supp	Band 38
7	Frequency band: 1880-1920 MHz	36.101, 5.5	Rel-8	pc_eBand39_Supp	Band 39
8	Frequency band: 2300-2400 MHz	36.101, 5.5	Rel-8	pc_eBand40_Supp	Band 40
9	Frequency band: 2496-2690 MHz	36.101, 5.5	Rel-10	pc_eBand41_Supp	Band 41
10	Frequency band: 3400-3600 MHz	36.101, 5.5	Rel-10	pc_eBand42_Supp	Band 42
11	Frequency band: 3600-3800 MHz	36.101, 5.5	Rel-10	pc_eBand43_Supp	Band 43
12	Frequency band: 703-803 MHz	36.101, 5.5	Rel-11	pc_eBand44_Supp	Band 44

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	Rel-8	pc_ue_Category_1	
2	Category 2	36.306, 4.1	Rel-8	pc_ue_Category_2	
3	Category 3	36.306, 4.1	Rel-8	pc_ue_Category_3	
4	Category 4	36.306, 4.1	Rel-8	pc_ue_Category_4	
5	Category 5	36.306, 4.1	Rel-8	pc_ue_Category_5	
6	Categroy 6	36.306, 4.1	Rel-10	pc_ue_Categroy_6	
7	Categroy 7	36.306, 4.1	Rel-10	pc_ue_Categroy_7	
8	Category 8	36.306, 4.1	Rel-10	pc_ue_Categroy_8	

A.4.3.3 CA Physical Layer Baseline Implementation Capabilities

A.4.3.3.1 Intra-band contiguous CA Physical Layer Baseline Implementation Capabilities

Table A.4.3.3.1-1: Downlink Intra-band contiguous CA Bandwidth Class capabilities (for one or more of the supported CA configurations in Table A.4.3.3.1-3)

Item	Bandwidth Class	Ref.	Release	Mnemonic	Comments
1	DL Intra-band contiguous CA BW Class B	36.101, 5.6A 36.331, 6.3.6	FFS		Not used in any valid CA configurations in TS 36.101 yet
2	DL Intra-band contiguous CA BW Class C	36.101, 5.6A 36.331, 6.3.6	Rel-10	pc_DL_intraBand_contCaBWclassC	

Table A.4.3.3.1-2: Uplink Intra-band contiguous CA Bandwidth Class capabilities (for one or more of the supported CA configurations in Table A.4.3.3.1-3)

Item	Bandwidth Class	Ref.	Release	Mnemonic	Comments
1	UL Intra-band contiguous CA BW Class B	36.101, 5.6A 36.331, 6.3.6	FFS		Not used in any valid CA configurations in TS 36.101 yet
2	UL Intra-band contiguous CA BW Class C	36.101, 5.6A 36.331, 6.3.6	Rel-10	pc_UL_intraBand_contCaBWclassC	

Table A.4.3.3.1-3: Supported CA configurations for Intra-band contiguous CA

Item / CA Band (Note 1)	Ref.	Release	Supported DL CA Bandwidth Class(es) (Note 2)	Supported UL CA Bandwidth Class(es) (Note 2)	Supported Bandwidth Combination Set(s) (Note 3)
CA_1C	36.101, 5.6A 36.331, 6.3.6	Rel-10			
CA_38C	36.101, 5.6A 36.331, 6.3.6	Rel-11			
CA_40C	36.101, 5.6A 36.331, 6.3.6	Rel-10			
CA_41C	36.101, 5.6A 36.331, 6.3.6	Rel-11			

Note 1: Notation used for intra-band CA bands is according to TS 36.101 clause 5.6A.1 (e.g. 'CA_1' indicates CA configuration on E-UTRA band 1).

Note 2: The capabilities can be supported on a single or multiple band(s). The UE supplier shall indicate in the column "Supported DL CA Bandwidth Class(es)" and column "Supported UL CA Bandwidth Class(es)" the UE supported CA Bandwidth Class(es) in downlink and uplink respectively using CA Bandwidth Class identifiers as per TS 36.101 Table 5.6A-1. For Rel-10 and Rel-11 CA bands then the only valid choice for Intra-band contiguous CA is 'C' or to leave the entry as blank (nothing stated), where blank means that CA is not supported. E.g. for a UE supporting CA Bandwidth Class C for both uplink and downlink then 'C' is stated in both columns.

Note 3: For some CA Band Combinations, multiple Bandwidth Combination Sets are defined in TS 36.101, table 5.6A.1-1. The UE supplier shall indicate the supported set(s) in column "Supported Bandwidth Combination Set(s)".

A.4.3.3.2 Intra-band non-contiguous CA Physical Layer Baseline Implementation Capabilities

FFS

A.4.3.3.3 Inter-band CA Physical Layer Baseline Implementation Capabilities

Table A.4.3.3.3-1: Downlink Inter-band CA Bandwidth Class Combination capabilities (for one or more of the supported CA configurations in Table A.4.3.3.3-3)

Item	Bandwidth Class Combination	Ref.	Release	Mnemonic	Comments
1	DL Inter-band CA BW Class Combination A-A	36.101, 5.6A 36.331, 6.3.6	Rel-10	pc_DL_interBand_CaBwClassComb_AA	

Table A.4.3.3.3-2: Uplink Inter-band CA Bandwidth Class Combination capabilities (for one or more of the supported CA configurations in Table A.4.3.3.3-3)

Item	Bandwidth Combination class	Ref.	Release	Mnemonic	Comments
1	UL Inter-band CA BW Combination class A-A	36.101, 5.6A 36.331, 6.3.6	FFS	pc_UL_interBand_CaBwClassComb_AA	Not used in any valid CA configurations in TS 36.101 yet

Table A.4.3.3.3-3: Supported CA configurations for Inter-band CA

Item / CA Band Combination (Note 1)	Ref.	Release	Supported DL CA Bandwidth Class combination(s) (Note 2)	Supported UL CA Bandwidth Class combinations(s) (Note 2)	Supported Bandwidth Combination Set(s) (Note 3)
CA_1-5	36.101, 5.6A 36.331, 6.3.6	Rel-10		N/A	
CA_1-18	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_1-19	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_1-21	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_2-17	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_3-5	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_3-7	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_3-8	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_4-5	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_4-12	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_4-13	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_4-17	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_5-12	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_7-20	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	
CA_11-18	36.101, 5.6A 36.331, 6.3.6	Rel-11		N/A	

Note 1: Notation used for inter-band CA configurations is according to TS 36.101 clause 5.6A.2 (e.g. 'CA_1_5' indicates CA configuration on E-UTRA bands 1 and 5).

Note 2: The capabilities can be supported on a single or multiple band(s). The UE supplier shall indicate in the column "Supported DL CA Bandwidth Class combination(s)" and column "Supported UL CA Bandwidth Class combination(s)" the UE supported CA Bandwidth Class combination(s) in uplink and downlink respectively using combination of CA Bandwidth Class identifiers as per TS 36.101 Table 5.6A-1 in the same order as the bands are indicated in the CA Configuration separated by a '-'. For Rel-10 and Rel-11 CA band combinations then the only valid choice for Inter-band CA in downlink is 'A-A' or to leave the entry as blank (nothing stated), where blank means that CA is not supported. For Rel-10 and Rel-11 CA band combinations then uplink CA is not applicable and column "Supported UL CA Bandwidth Class combination(s)" is marked as 'N/A'. E.g. if UE supports Rel-10 CA band combination CA_1-5 and the UE supporting CA Bandwidth Class A for both bands in downlink then 'A-A' is stated in the column "Supported DL CA Bandwidth Class combination(s)" and column "Supported UL CA Bandwidth Class combination(s)" is marked as 'N/A'.

Note 3: For some CA Band Combinations, multiple Bandwidth Combination Sets are defined in TS 36.101, table 5.6A.1-2. The UE supplier shall indicate the supported set(s) in column "Supported Bandwidth Combination Set(s)".

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	For Rel-8: CSG autonomous search is optional. For Rel-9 or later releases: CSG autonomous search is mandatory for UEs supporting CSG full functionality.
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 (FDD) from UTRA	25.306, 4.7	Rel-8	pc_HO_from_UTRA_to_eFDD	
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	Void				
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 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	
22	Support for being configured to request the IPv6 address of the Home Agent during Attach procedure	24.303	Rel-8	pc_RequestIPv6HAAddress_DuringAttach	

Item	Additional information	Ref.	Release	Mnemonic	Comments
23	Support for being configured to request the IPv4 address of the Home Agent during Attach procedure	24.303	Rel-8	pc_RequestIPv4HAAddress_DuringAttach	
24	Support of ETWS message with security	23.401, 5.12.2	Rel-8	pc_ETWS_message_security	
25	Support of IMS	24.229	Rel-8	pc_IMS	
26	Supports of disabling the EPS services	24.301, 3.1, 5.5.2.1	Rel-8	pc_EPS_Services_Disable	
27	Support of automatic re-activation of the EPS bearer(s) during Network Initiated Detach with detach type set to “re-attach required”	24.301, 5.5.2.3.2	Rel-8	pc_Automatic_Re_Attach	
28	Support of Compressed mode	25.306	Rel-8	pc_UTRA_CompressedModeRequired	
29	Support of GERAN to E-UTRAN PS Handover	24.008, 10.5.5.12a	Rel-8	pc_GERAN_2_E_UTRAN_PSHO	
30	Support for multiple PDN connections	23.401, 5.10	Rel-8	pc_Multiple_PDN	
31	Support of use of the UTRA system information provided by *RRCConnectionRelease* upon redirection	36.306	Rel-9	pc_eRedirectionUTRA	
32	Support for SRVCC from E-UTRAN to GERAN/UTRAN	24.301, 8.2.4	Rel-8	pc_SRVCC_GERAN_UTRAN	
33	Support for VoLTE in GSMA PRD IR.92: “IMS Profile for Voice and SMS”	24.173 24.229, 26.114, 5.2.1, GSMA PRD IR.92	Rel-8	pc_VoLTE	Multimedia telephony service participant initiating a session Speech UE suppresses RTCP during the active two-way voice sessions UE supports sending DTMF events over RTP
34	Support of detach for non-EPS services	24.301, 5.5.2.1	Rel-8	pc_IMSI_Detach	
35	Support for establishing the emergency call using the CS domain in UTRA after ATTACH REJECT to emergency bearer service	24.301, 5.5.1.2.5A	Rel-9	pc_CS_Em_Call_in_UTRA	
36	Support for establishing the emergency call using the CS domain in GERAN after ATTACH REJECT to emergency bearer service	24.301, 5.5.1.2.5A	Rel-9	pc_CS_Em_Call_in_GERAN	
37	Support for establishing the emergency call using the CS domain in 1xRTT after ATTACH REJECT to emergency bearer service	24.301, 5.5.1.2.5A	Rel-9	pc_CS_Em_Call_in_1xRTT	
38	Support for EDTM	44.060 8.9.1.2	Rel-8	pc_EDTM	
39	Supports CCN towards E-UTRAN, E-UTRAN Neighbour Cell measurement reporting and Network controlled cell reselection to E-UTRAN	24.008, 10.5.5.12a	Rel-8	pc_GERAN_2_E_UTRAN_measreporting_CCN	
40	Support for ROHC profile0x0001	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0001	'IMS capable UEs supporting voice' shall set this PICS to true.
41	Support for ROHC profile0x0002	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0002	'IMS capable UEs supporting voice' shall set this PICS to true.
42	Support for ROHC profile0x0003	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0003	
43	Support for ROHC profile0x0004	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0004	
44	Support for ROHC profile0x0006	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0006	
45	Support for ROHC profile0x0101	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0101	

Item	Additional information	Ref.	Release	Mnemonic	Comments
46	Support for ROHC profile0x0102	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0102	
47	Support for ROHC profile0x0103	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0103	
48	Support for ROHC profile0x0104	36.306, 4.3.1.1	Rel-8	pc_ROHC_profile0x0104	
49	Support of manual CSG selection	36.331, Annex B2	Rel-8	pc_manual_CSG_selection	For Rel-8: manual CSG selection is optional. For Rel-9 or later releases: manual CSG selection is mandatory for UEs supporting CSG full functionality.
50	Support of semi-persistence scheduling	36.331, Annex B1	Rel-8	pc_semi_persistence_scheduling	For Rel-8: semi-persistence scheduling is mandatory if pc_FeatrGrp_3 is set to true. For Rel-9 or later releases: semi-persistence scheduling is mandatory if pc_FeatrGrp_29 is set to true.
51	Support of TTI bundling	36.331, Annex B1	Rel-8	pc_TTI_bundling	For Rel-8: TTI bundling is mandatory if pc_FeatrGrp_3 is set to true. For Rel-9 TDD: TTI bundling is mandatory if pc_FeatrGrp_28 is set to true. For Rel-9 FDD: pc_FeatrGrp_28 must be set to true. For Rel-10 or later releases: pc_FeatrGrp_28 must be set to true.
52	Support for inter-RAT PS handover from E-UTRAN to GERAN.	36.306, 4.3.7.11	Rel-8	pc_E_UTRAN_2_GERAN_PSHO	
53	Support of inter-RAT PS handover to E-UTRA (TDD) from UTRA	25.306, 4.7	Rel-8	pc_HO_from_UTRA_to_eTDD	
54	Support for UE requested modification of network allocated TFTs	24.301, 6.5.4	Rel-8	pc_ESM_UE_Modification_NW_TFT	
55	Support of automatic re-activation of the EPS bearer(s) during Network Initiated Detach even though UE has initiated a detach procedure with detach type set to “EPS detach” or “combined EPS/IMSI detach”	24.301, 5.5.2.2.4	Rel-8	pc_Re_Attach_AfterDetachColl	
56	Support of Squal based cell reselection to UTRAN from E-UTRAN	25.304, 5.2.6.1.4a	Rel-9	pc_Squal_based_CellReselection_to_UTRAN_from_E_UTRAN	
57	Support of Squal based cell reselection to E-UTRAN from UTRAN	36.304, 5.2.4.5	Rel-9	pc_Squal_based_CellReselection_to_E_UTRAN_from_UTRAN	
58	Support of CMAS message	36.331, 5.2.1.5	Rel-9	pc_CMAS_message	
59	Void				
60	Void				
61	Void				
62	Support of logged measurements in RRC_IDLE	36.306, 4.3.13.1	Rel-10	pc_loggedMeasurementsIdle	

Item	Additional information	Ref.	Release	Mnemonic	Comments
63	Support of standalone GNSS receiver to provide detailed location information in RRC measurement report and logged measurements in RRC_IDLE	36.306, 4.3.13.2	Rel-10	pc_standaloneGNSS-Location	
64	Support of automatic re-activation of the EPS bearer(s)	24.301	Rel-8	pc_Automatic_EPS_Re_Attach	
65	Support of UTRAN ANR	25.306, 4.15	Rel-10	pc_UTRAN ANR	
66	Void				
67	Support of PWS upper layer	23.041 clause 9.1.3.4.2	Rel-9	pc_PWS_UpperLayer	
68	Support of automatic PDN connectivity in EUTRAN (i.e. UE upper layer provides PDN connectivity parameters)	24.301, 6.5.1.1	Rel-8	pc_Auto_PDN_Connectivity	
69	Support user initiated PLMN reselection in automatic mode	23.122	Rel-8	pc_UserInitiatedPLMN_Reselection	
70	Support of UL MIMO	36.321, clause 4.3.4.6	Rel-10	pc_UL_MIMO	
71	Support of ESM Notification procedure	24.301, 6.6.2	Rel-9	pc_ESM_Notification	
72	Support of sending concatenated multiple Short Message over SGs	23.272, 8.2.3a	Rel-9	pc_SMS_SGs_Multi_MO	
73	Support TAU in connected mode	23.221, 7.2a	Rel-8	pc_TAU_connected_in_IMS	Applicable when configured to pc_voice_PS_1_CS_2 and pc_attach
74	Support TAU in idle mode	23.221, 7.2a	Rel-8	pc_TAU_idle_in_IMS	
75	Support of Intra Frequency Proximity Indication	36.306, clause 4.3.10.1	Rel-9	pc_IntraFreq_ProximityIndication	
76	Support of Inter Frequency Proximity Indication	36.306, clause 4.3.10.2	Rel-9	pc_InterFreq_ProximityIndication	
77	Support of UTRAN Proximity Indication	36.306, clause 4.3.10.3	Rel-9	pc_UTRAN_ProximityIndication	
78	Support of Access Technology Indication in available PLMNs list	23.122, clause 4.4.3.1.2	Rel-8	pc_Available_PLMNs_AcT_Ind	
79	Support of Squal based cell reselection between E-UTRAN and GERAN	36.304, clause 5.2.4.5, 45.008, clause 6.6.6	Rel-9	pc_Squal_based_CellReselection_between_E_UTRAN_and_GERAN	
80	Support of AttachWithIMSI	24.368, 5.4	Re-10	pc_AttachWithIMSI	
81	Support of T3412 extended value IE	24.301, 8.2.1.12, 8.2.26.15	Re-10	pc_T3412Extended	
82	Support of TDD special subframe	36.306, 4.3.4.21 36.331, 6.3.6	Rel-11	pc_TDD_SpecialSubframe	
83	Support of Low Access Priority indication	24.008 1.8	Rel-10	pc_LAP	
84	Support of MinimumPeriodicSearchTimer	23.122, 4.4.3.3	Rel-10	pc_MinimumPeriodicSearchTimer	
85	Support of delivery of rachReport upon request from the network	36.306, 4.3.12.1	Rel-9	pc_Rach_Report	
86	Support of Power Preference Indication	36.331, 5.6.10	Rel-11	pc_PPI_Support	
87	Support of ePDCCH	36.306, 4.3.4.18 36.331, 6.3.6	Rel-11	pc_ePDCCH	

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 (Note)	Rel-8	pc_attach	UE supports to be configured to initiate EPS attach or will always initiate EPS attach. (pc_PS_voice_centric OR pc_PS_data_centric) shall set this PICS to true.
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. Implication: ((pc_UTRA OR pc_GERAN) AND [8] pc_CS) OR pc_CS_fallback OR pc_SMS_SGs OR pc_IMSI_detach OR pc_CS_Em_Call_in_UTRA OR pc_CS_Em_Call_in_GERAN OR pc_CS_PS_voice_centric OR pc_CS_PS_data_centric shall set this PICS to true.
3	Void				
4	Support of CS/PS mode 1	24.301	Rel-8	pc_ CS_PS_voice_centric	UE supports to be configured to consistently behave as a CS/PS Voice centric UE
5	Support of CS/PS mode 2	24.301	Rel-8	pc_ CS_PS_data_centric	UE supports to be configured to consistently behave as a CS/PS Data centric UE.
6	Requiring UMI proceeding to paging response	23.272	Rel-8	pc_UMI_ProcNeeded_DuringCSFB	UE requires UMI prior to paging response while CSFB to UTRA
7	Support of PS mode 1	24.301	Rel-8	pc_PS_voice_centric	UE supports to be configured to consistently behave as a PS Voice centric UE
8	Support of PS mode 2	24.301	Rel-8	pc_PS_data_centric	UE supports to be configured to consistently behave as a PS Data centric UE.
9	IMS PS voice preferred, CS Voice as secondary	24.301	Rel-8	pc_voice_PS_1_CS_2	Configured voice domain preference.

Item	Definition of UE implementation capabilities	Ref.	Release	Mnemonic	Comments
10	Keeps EPS Bearer Context parameters after completion of the normal DETACH procedure	24.301 cl. 5.5.2.2.2	Rel-8	pc_KeepEpsBearerParametersAfterNormalDetach	If the UE supports this, then the next ATTACH after DETACH shall be done using AT command AT+CGATT=1. Otherwise it shall be done using AT+CGDCONT=1,"IP" followed by AT+CGACT=1
Note:	A UE supporting UTRAN and/or GERAN which is configured to initiate EPS attach considers UTRAN and GERAN cell as candidates for cell selection and cell reselection according to TS 36.304. A UE configured to initiate EPS attach which has selected a UTRAN or GERAN cell may perform registration procedures to the PS and CS domains, or to the PS domain only or to the CS domain only.				

A.4.5 Feature group indicators

In Table A.4.5-1, a 'VoLTE capable UE' corresponds to a UE that is capable of the "Voice domain preference for E-UTRAN" defined in TS 24.301 [35] being set to "IMS PS voice only", "IMS PS voice preferred, CS voice as secondary" or "CS voice preferred, IMS PS voice as secondary" (Ref TS 25.331, clause B.1).

Table A.4.5-1: Feature group indicators 1-32 as Common

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	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			Rel-8	36.331, Annex B.1	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			Rel-8	36.331, Annex B.1	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.		Rel-8	36.331, Annex B.1	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
	Support of - 5bit RLC UM SN - 7bit PDCP SN	- can only be set to 1 if the UE has set bit number 7 to 1.	Yes, if UE supports VoLTE	Rel-9			

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
4	Support of - Short DRX cycle	- can only be set to 1 if the UE has set bit number 5 to 1.		Rel-8	36.331, Annex B.1	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			Rel-8	36.331, Annex B.1	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
			Yes	Rel-9			
6	Support of - Prioritized bit rate			Rel-8	36.331, Annex B.1	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
			Yes	Rel-9			
7	Support of - RLC UM	- can only be set to 0 if the UE does not support voice		Rel-8	36.331, Annex B.1	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
			Yes, if UE supports VoLTE	Rel-9			
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		Rel-8	36.331, Annex B.1	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
			Yes for FDD, if UE supports UTRA	Rel-9			
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		Rel-8	36.331, Annex B.1	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

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
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)			Rel-8	36.331, Annex B.1	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		Rel-8	36.331, Annex B.1	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		Rel-8	36.331, Annex B.1	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 (within FDD or TDD)	- can only be set to 1 if the UE has set bit number 25 to 1		Rel-8	36.331, Annex B.1	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
			Yes, unless UE only supports band 13	Rel-9			
14	Support of - Measurement reporting event: Event A4 – Neighbour > threshold - Measurement reporting event: Event A5 – Serving < threshold1 & Neighbour > threshold2			Rel-8	36.331, Annex B.1	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
			Yes	Rel-9			

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
15	Support of - Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD or UTRAN TDD, if the UE supports either only UTRAN FDD or only UTRAN TDD and has set bit number 22 to 1 - Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD or UTRAN TDD, if the UE supports both UTRAN FDD and UTRAN TDD and has set bit number 22 or 39 to 1, respectively - Measurement reporting event: Event B1 - Neighbour > threshold for GERAN, 1xRTT or HRPD, if the UE has set bit number 23, 24 or 26 to 1, respectively	- can only be set to 1 if the UE has set at least one of the bit number 22, 23, 24, 26 or 39 to 1. - even if the UE sets bits 41, it shall still set bit 15 to 1 if measurement reporting event B1 is tested for all RATs supported by UE		Rel-8	36.331, Annex B.1	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
			Yes for FDD, if UE supports only UTRAN FDD and does not support UTRAN TDD or GERAN or 1xRTT or HRPD	Rel-9			
16	Support of - non-ANR related intra-frequency periodical measurement reporting; - non-ANR related inter-frequency periodical measurement reporting, if the UE has set bit number 25 to 1; and - non-ANR related inter-RAT periodical measurement reporting for UTRAN, GERAN, 1xRTT or HRPD, if the UE has set bit number 22, 23, 24 or 26 to 1, respectively.			Rel-8	36.331, Annex B.1	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

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
	NOTE: "non-ANR related periodical measurement reporting" corresponds only to periodical trigger type with purpose set to *reportStrongestCells*. Event triggered periodical reporting (i.e., event trigger type with *reportAmount* > 1) is a mandatory functionality of event triggered reporting and therefore not the subject of this bit.		Yes	Rel-9			
17	Support of Intra-frequency ANR features including: - Intra-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Intra-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 to 1.	 Yes	Rel-8 Rel-9	36.331, Annex B.1	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 Inter-frequency ANR features including: - Inter-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Inter-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 to 1.	 Yes, unless UE only supports band 13	Rel-8 Rel-9	36.331, Annex B.1	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 Inter-RAT ANR features including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* for GERAN, if the UE has set bit number 23 to 1 - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* for UTRAN, 1xRTT or HRPD, if the UE has set bit number 22, 24 or 26 to 1, respectively - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI* for UTRAN, GERAN, 1xRTT or HRPD, if the UE has set bit number 22, 23, 24 or 26 to 1, respectively	- can only be set to 1 if the UE has set bit number 5 to 1 and the UE has set at least one of the bit number 22, 23, 24 or 26 to 1.		Rel-8	36.331, Annex B.1	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

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
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		Rel-8	36.331, Annex B.1	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
			Yes	Rel-9			
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			Rel-8	36.331, Annex B.1	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
				Rel-9			
22	Support of - UTRAN measurements, reporting and measurement reporting event B2 in E-UTRA connected mode			Rel-8	36.331, Annex B.1	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
			Yes for FDD, if UE supports UTRA	Rel-9			

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
23	Support of - GERAN measurements, reporting and measurement reporting event B2 in E-UTRA connected mode			Rel-8	36.331, Annex B.1	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			Rel-8	36.331, Annex B.1	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
			Yes, if UE supports enhanced 1xRTT CSFB	Rel-9			
25	Support of - Inter-frequency measurements and reporting in E-UTRA connected mode NOTE: The UE setting this bit to 1 and indicating support for FDD and TDD frequency bands in the UE capability signalling implements and is tested for FDD measurements while the UE is in TDD, and for TDD measurements while the UE is in FDD.			Rel-8	36.331, Annex B.1	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
			Yes, unless UE only supports band 13	Rel-9			
26	Support of - HRPD measurements, reporting and measurement reporting event B2 in E-UTRA connected mode			Rel-8	36.331, Annex B.1	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
			Yes, if UE supports HRPD	Rel-9			
27	Support of - EUTRA RRC_CONNECTED to UTRA CELL_DCH CS handover	- related to SR-VCC - can only be set		Rel-8	36.331, Annex B.1	pc_FeatrGrp_27	Corresponding to the Index of Indicator, the leftmost binary bit 27

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
		to 1 if the UE has set bit number 8 to 1 and supports SR-VCC from EUTRA defined in TS 24.008	Yes for FDD, if UE supports VoLTE and UTRA FDD	Rel-9			Set to true if supporting all functionalities in the feature group
28	Support of - TTI bundling			Rel-9	36.331, Annex B.1	pc_FeatrGrp_28	Corresponding to the Index of Indicator, the leftmost binary bit 28 Set to true if supporting all functionalities in the feature group
			Yes for FDD	Rel-10			
29	Support of - Semi-Persistent Scheduling			Rel-9	36.331, Annex B.1	pc_FeatrGrp_29	Corresponding to the Index of Indicator, the leftmost binary bit 29 Set to true if supporting all functionalities in the feature group
30	Support of - Handover between FDD and TDD	- can only be set to 1 if the UE has set bit number 13 to 1		Rel-8	36.331, Annex B.1	pc_FeatrGrp_30	Corresponding to the Index of Indicator, the leftmost binary bit 30 Set to true if supporting all functionalities in the feature group
				Rel-9			

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
31	Support of - Indicates whether the UE supports the mechanisms defined for cells broadcasting multi band information i.e. comprehending *multiBandInfoList*, disregarding in RRC_CONNECTED the related system information fields and understanding the EARFCN signalling for all bands, that overlap with the bands supported by the UE, and that are defined in the earliest version of TS 36.101 [42] that includes all UE supported bands.	- In this release of the protocol, this bit will never be mandated to be set to 1 - This FGI bit concerns an optional release independent feature (as it was difficult to introduce this from REL-8 when using regular UE capability signalling)		Rel-8 Rel-9	36.331, Annex B.1	pc_FeatrGrp_31	Corresponding to the Index of Indicator, the leftmost binary bit 31
32	Undefined			Rel-8	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 32

Table A.4.5-1a: Feature group indicators 1-32 for FDD

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_1_F	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_2_F	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 - 5bit RLC UM SN - 7bit PDCP SN	- can only be set to 1 if the UE has set bit number 7 to 1.	Yes, if UE supports VoLTE	Rel-9	36.331, Annex B.1	pc_FeatrGrp_3_F	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.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_4_F	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		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_5_F	Corresponding to the Index of Indicator, the leftmost binary bit 5 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
6	Support of - Prioritized bit rate		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_6_F	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	Yes, if UE supports VoLTE	Rel-9	36.331, Annex B.1	pc_FeatrGrp_7_F	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	Yes, if UE supports UTRA	Rel-9	36.331, Annex B.1	pc_FeatrGrp_8_F	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_9_F	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)			Rel-9	36.331, Annex B.1	pc_FeatrGrp_10_F	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_11_F	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_12_F	Corresponding to the Index of Indicator, the leftmost binary bit 12 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
13	Support of - Inter-frequency handover (within FDD or TDD)	- can only be set to 1 if the UE has set bit number 25 to 1	Yes, unless UE only supports band 13	Rel-9	36.331, Annex B.1	pc_FeatrGrp_13_F	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		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_14_F	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 for UTRAN FDD or UTRAN TDD, if the UE supports either only UTRAN FDD or only UTRAN TDD and has set bit number 22 to 1 - Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD or UTRAN TDD, if the UE supports both UTRAN FDD and UTRAN TDD and has set bit number 22 or 39 to 1, respectively - Measurement reporting event: Event B1 - Neighbour > threshold for GERAN, 1xRTT or HRPD, if the UE has set bit number 23, 24 or 26 to 1, respectively	- can only be set to 1 if the UE has set at least one of the bit number 22, 23, 24, 26 or 39 to 1. - even if the UE sets bits 41, it shall still set bit 15 to 1 if measurement reporting event B1 is tested for all RATs supported by UE	Yes for FDD, if UE supports only UTRAN FDD and does not support UTRAN TDD or GERAN or 1xRTT or HRPD	Rel-9	36.331, Annex B.1	pc_FeatrGrp_15_F	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 - non-ANR related intra-frequency periodical measurement reporting; - non-ANR related inter-frequency periodical measurement reporting, if the UE has set bit number 25 to 1; and - non-ANR related inter-RAT periodical measurement reporting for UTRAN, GERAN, 1xRTT or HRPD, if the UE has set bit number 22, 23, 24 or 26 to 1, respectively. NOTE: “non-ANR related periodical measurement reporting” corresponds only to periodical trigger type with purpose set to *reportStrongestCells*. Event triggered periodical reporting (i.e., event trigger type with *reportAmount* > 1) is a mandatory functionality of event triggered reporting and therefore not the subject of this bit.		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_16_F	Corresponding to the Index of Indicator, the leftmost binary bit 16 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
17	Support of Intra-frequency ANR features including: - Intra-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Intra-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 to 1.	Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_17_F	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 Inter-frequency ANR features including: - Inter-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Inter-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 to 1.	Yes, unless UE only supports band 13	Rel-9	36.331, Annex B.1	pc_FeatrGrp_18_F	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 Inter-RAT ANR features including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* for GERAN, if the UE has set bit number 23 to 1 - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* for UTRAN, 1xRTT or HRPD, if the UE has set bit number 22, 24 or 26 to 1, respectively - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI* for UTRAN, GERAN, 1xRTT or HRPD, if the UE has set bit number 22, 23, 24 or 26 to 1, respectively	- can only be set to 1 if the UE has set bit number 5 to 1 and the UE has set at least one of the bit number 22, 23, 24 or 26 to 1. - even if the UE sets bits 33 to 36, it shall still set bit 19 to 1 if inter-RAT ANR features are tested for all RATs for which inter-RAT measurement reporting is indicated as tested		Rel-9	36.331, Annex B.1	pc_FeatrGrp_19_F	Corresponding to the Index of Indicator, the leftmost binary bit 19 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
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	Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_20_F	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_21_F	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		Yes, if UE supports UTRA	Rel-9	36.331, Annex B.1	pc_FeatrGrp_22_F	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_23_F	Corresponding to the Index of Indicator, the leftmost binary bit 23 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
24	Support of - 1xRTT measurements, reporting and measurement reporting event B2 in E-UTRA connected mode		Yes, if UE supports enhanced 1xRTT CSFB	Rel-9	36.331, Annex B.1	pc_FeatrGrp_24_F	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 NOTE: The UE setting this bit to 1 and indicating support for FDD and TDD frequency bands in the UE capability signalling implements and is tested for FDD measurements while the UE is in TDD, and for TDD measurements while the UE is in FDD.		Yes, unless UE only supports band 13	Rel-9	36.331, Annex B.1	pc_FeatrGrp_25_F	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		Yes, if UE supports HRPD	Rel-9	36.331, Annex B.1	pc_FeatrGrp_26_F	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 and supports SR-VCC from EUTRA defined in TS 24.008-	Yes for FDD, if UE supports VoLTE and UTRA FDD	Rel-9	36.331, Annex B.1	pc_FeatrGrp_27_F	Corresponding to the Index of Indicator, the leftmost binary bit 27 Set to true if supporting all functionalities in the feature group
28	Support of - TTI bundling			Rel-9	36.331, Annex B.1	pc_FeatrGrp_28_F	Corresponding to the Index of Indicator, the leftmost binary bit 28 Set to true if supporting all functionalities in the feature group
			Yes	Rel-10			
29	Support of - Semi-Persistent Scheduling			Rel-9	36.331, Annex B.1	pc_FeatrGrp_29_F	Corresponding to the Index of Indicator, the leftmost binary bit 29 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
30	Support of - Handover between FDD and TDD	- can only be set to 1 if the UE has set bit number 13 to 1		Rel-9	36.331, Annex B.1	pc_FeatrGrp_30_F	Corresponding to the Index of Indicator, the leftmost binary bit 30 Set to true if supporting all functionalities in the feature group
31	Support of - Indicates whether the UE supports the mechanisms defined for cells broadcasting multi band information i.e. comprehending multiBandInfoList, disregarding in RRC_CONNECTED the related system information fields and understanding the EARFCN signalling for all bands, that overlap with the bands supported by the UE, and that are defined in the earliest version of TS 36.101 [42] that includes all UE supported bands.			Rel-9	36.331, Annex B.1	pc_FeatrGrp_31_F	Corresponding to the Index of Indicator, the leftmost binary bit 31 Set to true if supporting all functionalities in the feature group
32	Undefined			Rel-9	36.331, Annex B.1	pc_FeatrGrp_32_F	Corresponding to the Index of Indicator, the leftmost binary bit 32 Set to true if supporting all functionalities in the feature group

Table A.4.5-1b: Feature group indicators 1-32 for TDD

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_1_T	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_2_T	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 - 5bit RLC UM SN - 7bit PDCP SN	- can only be set to 1 if the UE has set bit number 7 to 1.	Yes, if UE supports VoLTE	Rel-9	36.331, Annex B.1	pc_FeatrGrp_3_T	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.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_4_T	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		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_5_T	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		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_6_T	Corresponding to the Index of Indicator, the leftmost binary bit 6 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
7	Support of - RLC UM	- can only be set to 0 if the UE does not support voice	Yes, if UE supports VoLTE	Rel-9	36.331, Annex B.1	pc_FeatrGrp_7_T	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_8_T	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_9_T	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)			Rel-9	36.331, Annex B.1	pc_FeatrGrp_10_T	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_11_T	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		Rel-9	36.331, Annex B.1	pc_FeatrGrp_12_T	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 (within FDD or TDD)	- can only be set to 1 if the UE has set bit number 25 to 1	Yes, unless UE only supports band 13	Rel-9	36.331, Annex B.1	pc_FeatrGrp_13_T	Corresponding to the Index of Indicator, the leftmost binary bit 13 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
14	Support of - Measurement reporting event: Event A4 – Neighbour > threshold - Measurement reporting event: Event A5 – Serving < threshold1 & Neighbour > threshold2		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_14_T	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 for UTRAN FDD or UTRAN TDD, if the UE supports either only UTRAN FDD or only UTRAN TDD and has set bit number 22 to 1 - Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD or UTRAN TDD, if the UE supports both UTRAN FDD and UTRAN TDD and has set bit number 22 or 39 to 1, respectively - Measurement reporting event: Event B1 - Neighbour > threshold for GERAN, 1xRTT or HRPD, if the UE has set bit number 23, 24 or 26 to 1, respectively	- can only be set to 1 if the UE has set at least one of the bit number 22, 23, 24, 26 or 39 to 1. - even if the UE sets bits 41, it shall still set bit 15 to 1 if measurement reporting event B1 is tested for all RATs supported by UE		Rel-9	36.331, Annex B.1	pc_FeatrGrp_15_T	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 - non-ANR related intra-frequency periodical measurement reporting; - non-ANR related inter-frequency periodical measurement reporting, if the UE has set bit number 25 to 1; and - non-ANR related inter-RAT periodical measurement reporting for UTRAN, GERAN, 1xRTT or HRPD, if the UE has set bit number 22, 23, 24 or 26 to 1, respectively. NOTE: “non-ANR related periodical measurement reporting” corresponds only to periodical trigger type with purpose set to *reportStrongestCells*. Event triggered periodical reporting (i.e., event trigger type with *reportAmount* > 1) is a mandatory functionality of event triggered reporting and therefore not the subject of this bit.		Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_16_T	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 Intra-frequency ANR features including: - Intra-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Intra-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 to 1.	Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_17_T	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 Inter-frequency ANR features including: - Inter-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Inter-frequency periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 to 1.	Yes, unless UE only supports band 13	Rel-9	36.331, Annex B.1	pc_FeatrGrp_18_T	Corresponding to the Index of Indicator, the leftmost binary bit 18 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
19	Support of Inter-RAT ANR features including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* for GERAN, if the UE has set bit number 23 to 1 - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* for UTRAN, 1xRTT or HRPD, if the UE has set bit number 22, 24 or 26 to 1, respectively - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI* for UTRAN, GERAN, 1xRTT or HRPD, if the UE has set bit number 22, 23, 24 or 26 to 1, respectively	- can only be set to 1 if the UE has set bit number 5 to 1 and the UE has set at least one of the bit number 22, 23, 24 or 26 to 1. - even if the UE sets bits 33 to 36, it shall still set bit 19 to 1 if inter-RAT ANR features are tested for all RATs for which inter-RAT measurement reporting is indicated as tested		Rel-9	36.331, Annex B.1	pc_FeatrGrp_19_T	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	Yes	Rel-9	36.331, Annex B.1	pc_FeatrGrp_20_T	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_21_T	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_22_T	Corresponding to the Index of Indicator, the leftmost binary bit 22 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
23	Support of - GERAN measurements, reporting and measurement reporting event B2 in E-UTRA connected mode			Rel-9	36.331, Annex B.1	pc_FeatrGrp_23_T	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		Yes, if UE supports enhanced 1xRTT CSFB	Rel-9	36.331, Annex B.1	pc_FeatrGrp_24_T	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 NOTE: The UE setting this bit to 1 and indicating support for FDD and TDD frequency bands in the UE capability signalling implements and is tested for FDD measurements while the UE is in TDD, and for TDD measurements while the UE is in FDD.		Yes, unless UE only supports band 13	Rel-9	36.331, Annex B.1	pc_FeatrGrp_25_T	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			Rel-9	36.331, Annex B.1	pc_FeatrGrp_26_T	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 and supports SR-VCC from EUTRA defined in TS 24.008		Rel-9	36.331, Annex B.1	pc_FeatrGrp_27_T	Corresponding to the Index of Indicator, the leftmost binary bit 27 Set to true if supporting all functionalities in the feature group
28	Support of - TTI bundling			Rel-9	36.331, Annex B.1	pc_FeatrGrp_28_T	Corresponding to the Index of Indicator, the leftmost binary bit 28 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
29	Support of - Semi-Persistent Scheduling			Rel-9	36.331, Annex B.1	pc_FeatrGrp_29_T	Corresponding to the Index of Indicator, the leftmost binary bit 29 Set to true if supporting all functionalities in the feature group
30	Support of - Handover between FDD and TDD	- can only be set to 1 if the UE has set bit number 13 to 1		Rel-9	36.331, Annex B.1	pc_FeatrGrp_30_T	Corresponding to the Index of Indicator, the leftmost binary bit 30 Set to true if supporting all functionalities in the feature group
31	Support of - Indicates whether the UE supports the mechanisms defined for cells broadcasting multi band information i.e. comprehending multiBandInfoList, disregarding in RRC_CONNECTED the related system information fields and understanding the EARFCN signalling for all bands, that overlap with the bands supported by the UE, and that are defined in the earliest version of TS 36.101 [42] that includes all UE supported bands.			Rel-9	36.331, Annex B.1	pc_FeatrGrp_31_T	Corresponding to the Index of Indicator, the leftmost binary bit 31 Set to true if supporting all functionalities in the feature group
32	Undefined			Rel-9	36.331, Annex B.1	pc_FeatrGrp_32_T	Corresponding to the Index of Indicator, the leftmost binary bit 32 Set to true if supporting all functionalities in the feature group

Table A.4.5-1c: Feature group indicators 33-64 as Common

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
1	Inter-RAT ANR features for UTRAN including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 22 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_33	Corresponding to the Index of Indicator, the leftmost binary bit 33 Set to true if supporting all functionalities in the feature group
2	Inter-RAT ANR features for GERAN including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 23 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_34	Corresponding to the Index of Indicator, the leftmost binary bit 34 Set to true if supporting all functionalities in the feature group
3	Inter-RAT ANR features for 1xRTT including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 24 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_35	Corresponding to the Index of Indicator, the leftmost binary bit 35 Set to true if supporting all functionalities in the feature group
4	Inter-RAT ANR features for HRPD including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 26 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_36	Corresponding to the Index of Indicator, the leftmost binary bit 36 Set to true if supporting all functionalities in the feature group
5	Inter-RAT ANR features for UTRAN TDD including: - Inter-RAT periodical measurement reporting where triggerType is set to periodical and purpose is set to reportStrongestCellsForSON - Inter-RAT periodical measurement reporting where triggerType is set to periodical and purpose is set to reportCGI	- can only be set to 1 if the UE has set bit number 5 and bit number 39 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_37	Corresponding to the Index of Indicator, the leftmost binary bit 37
6	- EUTRA RRC_CONNECTED to UTRA TDD CELL_DCH PS handover, if the UE supports both UTRAN FDD and UTRAN TDD	- can only be set to 1 if the UE has set bit number 39 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_38	Corresponding to the Index of Indicator, the leftmost binary bit 38
7	- UTRAN TDD measurements, reporting and measurement reporting event B2 in E-UTRA connected mode, if the UE supports both UTRAN FDD and UTRAN TDD			Rel-9	36.331, Annex B.1	pc_FeatrGrp_39	Corresponding to the Index of Indicator, the leftmost binary bit 39
8	- EUTRA RRC_CONNECTED to UTRA TDD CELL_DCH CS handover, if the UE supports both UTRAN FDD and UTRAN TDD	- related to SR-VCC - can only be set to 1 if the UE has set bit number 38 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_40	Corresponding to the Index of Indicator, the leftmost binary bit 40
9	Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD, if the UE supports UTRAN FDD and has set bit number 22 to 1		Yes for FDD, unless UE has set bit number 15 to 1	Rel-9	36.331, Annex B.1	pc_FeatrGrp_41	Corresponding to the Index of Indicator, the leftmost binary bit 41

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
10	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 42
11	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 43
12	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 44
13	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 45
14	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 46
15	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 47
16	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 48
17	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 49
18	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 50
19	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 51
20	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 52
921	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 53
22	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 54
23	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 55

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
24	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 56
25	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 57
26	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 58
27	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 59
28	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 60
29	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 61
30	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 62
31	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 63
32	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 64

Table A.4.5-1d: Feature group indicators 33-64 for FDD

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
1	Inter-RAT ANR features for UTRAN including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 22 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_33_F	Corresponding to the Index of Indicator, the leftmost binary bit 33 Set to true if supporting all functionalities in the feature group
2	Inter-RAT ANR features for GERAN including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 23 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_34_F	Corresponding to the Index of Indicator, the leftmost binary bit 34 Set to true if supporting all functionalities in the feature group
3	Inter-RAT ANR features for 1xRTT including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 24 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_35_F	Corresponding to the Index of Indicator, the leftmost binary bit 35 Set to true if supporting all functionalities in the feature group
4	Inter-RAT ANR features for HRPD including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 26 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_36_F	Corresponding to the Index of Indicator, the leftmost binary bit 36 Set to true if supporting all functionalities in the feature group
5	Inter-RAT ANR features for UTRAN TDD including: - Inter-RAT periodical measurement reporting where triggerType is set to periodical and purpose is set to reportStrongestCellsForSON - Inter-RAT periodical measurement reporting where triggerType is set to periodical and purpose is set to reportCGI	- can only be set to 1 if the UE has set bit number 5 and bit number 39 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_37_F	Corresponding to the Index of Indicator, the leftmost binary bit 37
6	- EUTRA RRC_CONNECTED to UTRA TDD CELL_DCH PS handover, if the UE supports both UTRAN FDD and UTRAN TDD	- can only be set to 1 if the UE has set bit number 39 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_38_F	Corresponding to the Index of Indicator, the leftmost binary bit 38
7	- UTRAN TDD measurements, reporting and measurement reporting event B2 in E-UTRA connected mode, if the UE supports both UTRAN FDD and UTRAN TDD			Rel-9	36.331, Annex B.1	pc_FeatrGrp_39_F	Corresponding to the Index of Indicator, the leftmost binary bit 39
8	- EUTRA RRC_CONNECTED to UTRA TDD CELL_DCH CS handover, if the UE supports both UTRAN FDD and UTRAN TDD	- related to SR-VCC - can only be set to 1 if the UE has set bit number 38 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_40_F	Corresponding to the Index of Indicator, the leftmost binary bit 40
9	Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD, if the UE supports UTRAN FDD and has set bit number 22 to 1		Yes for FDD, unless UE has set bit number 15 to 1	Rel-9	36.331, Annex B.1	pc_FeatrGrp_41_F	Corresponding to the Index of Indicator, the leftmost binary bit 41

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
10	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 42
11	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 43
12	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 44
13	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 45
14	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 46
15	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 47
16	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 48
17	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 49
18	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 50
19	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 51
20	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 52
921	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 53
22	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 54
23	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 55
24	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 56

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
25	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 57
26	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 58
27	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 59
28	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 60
29	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 61
30	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 62
31	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 63
32	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 64

Table A.4.5-1e: Feature group indicators 33-64 for TDD

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
1	Inter-RAT ANR features for UTRAN including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 22 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_33_T	Corresponding to the Index of Indicator, the leftmost binary bit 33 Set to true if supporting all functionalities in the feature group
2	Inter-RAT ANR features for GERAN including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCells* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 23 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_34_T	Corresponding to the Index of Indicator, the leftmost binary bit 34 Set to true if supporting all functionalities in the feature group
3	Inter-RAT ANR features for 1xRTT including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 24 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_35_T	Corresponding to the Index of Indicator, the leftmost binary bit 35 Set to true if supporting all functionalities in the feature group
4	Inter-RAT ANR features for HRPD including: - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportStrongestCellsForSON* - Inter-RAT periodical measurement reporting where *triggerType* is set to *periodical* and *purpose* is set to *reportCGI*	- can only be set to 1 if the UE has set bit number 5 and bit number 26 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_36_T	Corresponding to the Index of Indicator, the leftmost binary bit 36 Set to true if supporting all functionalities in the feature group
5	Inter-RAT ANR features for UTRAN TDD including: - Inter-RAT periodical measurement reporting where triggerType is set to periodical and purpose is set to reportStrongestCellsForSON - Inter-RAT periodical measurement reporting where triggerType is set to periodical and purpose is set to reportCGI	- can only be set to 1 if the UE has set bit number 5 and bit number 39 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_37_T	Corresponding to the Index of Indicator, the leftmost binary bit 37
6	- EUTRA RRC_CONNECTED to UTRA TDD CELL_DCH PS handover, if the UE supports both UTRAN FDD and UTRAN TDD	- can only be set to 1 if the UE has set bit number 39 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_38_T	Corresponding to the Index of Indicator, the leftmost binary bit 38
7	- UTRAN TDD measurements, reporting and measurement reporting event B2 in E-UTRA connected mode, if the UE supports both UTRAN FDD and UTRAN TDD			Rel-9	36.331, Annex B.1	pc_FeatrGrp_39_T	Corresponding to the Index of Indicator, the leftmost binary bit 39
8	- EUTRA RRC_CONNECTED to UTRA TDD CELL_DCH CS handover, if the UE supports both UTRAN FDD and UTRAN TDD	- related to SR-VCC - can only be set to 1 if the UE has set bit number 38 to 1.		Rel-9	36.331, Annex B.1	pc_FeatrGrp_40_T	Corresponding to the Index of Indicator, the leftmost binary bit 40
9	Measurement reporting event: Event B1 - Neighbour > threshold for UTRAN FDD, if the UE supports UTRAN FDD and has set bit number 22 to 1			Rel-9	36.331, Annex B.1	pc_FeatrGrp_41_T	Corresponding to the Index of Indicator, the leftmost binary bit 41

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
10	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 42
11	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 43
12	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 44
13	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 45
14	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 46
15	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 47
16	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 48
17	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 49
18	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 50
19	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 51
20	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 52
921	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 53
22	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 54
23	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 55
24	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 56

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
25	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 57
26	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 58
27	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 59
28	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 60
29	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 61
30	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 62
31	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 63
32	Undefined			Rel-9	36.331, Annex B.1		Corresponding to the Index of Indicator, the leftmost binary bit 64

Table A.4.5-2: EUTRA Feature group indicators

Item	Additional information	Notes	Ref.	Release	Mnemonic	Comments
1	Support of - UTRA CELL_PCH to EUTRA RRC_IDLE cell reselection - UTRA URA_PCH to EUTRA RRC_IDLE cell reselection		25.331, Annex E	Rel-8	pc_UTRA_FeatrGrp_1	Corresponding to the Index of Indicator, the leftmost binary bit 1 For Rel-8: Set to true if supporting all functionalities in the feature group For Rel-9 or later releases: this FGI bit is set to TRUE s
2	Support of - EUTRAN measurements and reporting in connected mode		25.331, Annex E	Rel-8	pc_UTRA_FeatrGrp_2	Corresponding to the Index of Indicator, the leftmost binary bit 2 Set to true if supporting all functionalities in the feature group

Table A.4.5-3: Release 10 AS feature group indicators 101-132 as Common

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
1	- DMRS with OCC (orthogonal cover code) and SGH (sequence group hopping) disabling	- if the UE supports two or more layers for spatial multiplexing in UL, this bit shall be set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_101	Corresponding to the Index of Indicator, the leftmost binary bit 101 Set to true if supporting all functionalities in the feature group
2	- Trigger type 1 SRS (aperiodic SRS) transmission (Up to X ports) NOTE: X = number of supported layers on given band			Rel-10	36.331, Annex C.1	pc_FeatrGrp_102	Corresponding to the Index of Indicator, the leftmost binary bit 102 Set to true if supporting all functionalities in the feature group
3	- PDSCH transmission mode 9 when up to 4 CSI reference signal ports are configured	- for Category 8 UEs, this bit shall be set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_103	Corresponding to the Index of Indicator, the leftmost binary bit 103 Set to true if supporting all functionalities in the feature group
4	- PDSCH transmission mode 9 for TDD when 8 CSI reference signal ports are configured	- if the UE does not support TDD, this bit is irrelevant (capability signalling exists for FDD for this feature), and this bit shall be set to 0. - for Category 8 UEs, this bit shall be set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_104	Corresponding to the Index of Indicator, the leftmost binary bit 104 Set to true if supporting all functionalities in the feature group
5	- Periodic CQI/PMI/RI reporting on PUCCH: Mode 2-0 – UE selected subband CQI without PMI, when PDSCH transmission mode 9 is configured - Periodic CQI/PMI/RI reporting on PUCCH: Mode 2-1 – UE selected subband CQI with single PMI, when PDSCH transmission mode 9 and up to 4 CSI reference signal ports are configured	- this bit can be set to 1 only if indices 2 (Table B.1-1) and 103 are set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_105	Corresponding to the Index of Indicator, the leftmost binary bit 105 Set to true if supporting all functionalities in the feature group
6	- Periodic CQI/PMI/RI/PTI reporting on PUCCH: Mode 2-1 – UE selected subband CQI with single PMI, when PDSCH transmission mode 9 and 8 CSI reference signal ports are configured	- this bit can be set to 1 only if the UE supports PDSCH transmission mode 9 with 8 CSI reference signal ports (i.e., for TDD, if index 104 is set to 1, and for FDD, if *tm9-With-8Tx-FDD-r10* is set to 'supported') and if index 2 (Table B.1-1) is set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_106	Corresponding to the Index of Indicator, the leftmost binary bit 106 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
7	- Aperiodic CQI/PMI/RI reporting on PUSCH: Mode 2-0 – UE selected subband CQI without PMI, when PDSCH transmission mode 9 is configured - Aperiodic CQI/PMI/RI reporting on PUSCH: Mode 2-2 – UE selected subband CQI with multiple PMI, when PDSCH transmission mode 9 and up to 4 CSI reference signal ports are configured	- this bit can be set to 1 only if indices 1 (Table B.1-1) and 103 are set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_107	Corresponding to the Index of Indicator, the leftmost binary bit 107 Set to true if supporting all functionalities in the feature group
8	- Aperiodic CQI/PMI/RI reporting on PUSCH: Mode 2-2 – UE selected subband CQI with multiple PMI, when PDSCH transmission mode 9 and 8 CSI reference signal ports are configured	- this bit can be set to 1 only if the UE supports PDSCH transmission mode 9 with 8 CSI reference signal ports (i.e., for TDD, if index 104 is set to 1, and for FDD, if *tm9-With-8Tx-FDD-r10* is set to 'supported') and if index 1 (Table B.1-1) is set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_108	Corresponding to the Index of Indicator, the leftmost binary bit 108 Set to true if supporting all functionalities in the feature group
9	- Periodic CQI/PMI/RI reporting on PUCCH Mode 1-1, submode 1	- this bit can be set to 1 only if the UE supports PDSCH transmission mode 9 with 8 CSI reference signal ports (i.e., for TDD, if index 104 is set to 1, and for FDD, if *tm9-With-8Tx-FDD-r10* is set to 'supported').		Rel-10	36.331, Annex C.1	pc_FeatrGrp_109	Corresponding to the Index of Indicator, the leftmost binary bit 109 Set to true if supporting all functionalities in the feature group
10	- Periodic CQI/PMI/RI reporting on PUCCH Mode 1-1, submode 2	- this bit can be set to 1 only if the UE supports PDSCH transmission mode 9 with 8 CSI reference signal ports (i.e., for TDD, if index 104 is set to 1, and for FDD, if *tm9-With-8Tx-FDD-r10* is set to 'supported').		Rel-10	36.331, Annex C.1	pc_FeatrGrp_110	Corresponding to the Index of Indicator, the leftmost binary bit 110 Set to true if supporting all functionalities in the feature group
11	- Measurement reporting trigger Event A6	- this bit can be set to 1 only if the UE supports carrier aggregation.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_111	Corresponding to the Index of Indicator, the leftmost binary bit 111 Set to true if supporting all functionalities in the feature group
12	- SCell addition within the Handover to EUTRA procedure	- this bit can be set to 1 only if the UE supports carrier aggregation and the Handover to EUTRA procedure.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_112	Corresponding to the Index of Indicator, the leftmost binary bit 112 Set to true if supporting all functionalities in the feature group

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
13	- Trigger type 0 SRS (periodic SRS) transmission on X Serving Cells NOTE: X = number of supported component carriers in a given band combination	- this bit can be set to 1 only if the UE supports carrier aggregation in UL.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_113	Corresponding to the Index of Indicator, the leftmost binary bit 113 Set to true if supporting all functionalities in the feature group
14	- Reporting of both UTRA CPICH RSCP and Ec/N0 in a Measurement Report	- this bit can be set to 1 only if index 22 (Table B.1-1) is set to 1.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_114	Corresponding to the Index of Indicator, the leftmost binary bit 114 Set to true if supporting all functionalities in the feature group
15	- time domain ICIC RLM/RRM measurement subframe restriction for the serving cell - time domain ICIC RRM measurement subframe restriction for neighbour cells - time domain ICIC CSI measurement subframe restriction			Rel-10	36.331, Annex C.1	pc_FeatrGrp_115	Corresponding to the Index of Indicator, the leftmost binary bit 115 Set to true if supporting all functionalities in the feature group
16	- Relative transmit phase continuity for spatial multiplexing in UL	- this bit can be set to 1 only if the UE supports two or more layers for spatial multiplexing in UL.		Rel-10	36.331, Annex C.1	pc_FeatrGrp_116	Corresponding to the Index of Indicator, the leftmost binary bit 116 Set to true if supporting all functionalities in the feature group
17	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 117
18	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 118
19	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 119
20	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 120
921	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 121
22	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 122
23	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 123
24	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 124

Item	Additional information	Notes	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Release	Ref.	Mnemonic	Comments
25	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 125
26	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 126
27	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 127
28	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 128
29	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 129
30	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 130
31	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 131
32	Undefined			Rel-10	36.331, Annex C.1		Corresponding to the Index of Indicator, the leftmost binary bit 132

Annex B (informative): 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: Applicability 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

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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 interw orking 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 - Applicability 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 interw orking 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

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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 applicability 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
2010-09	GERAN#47	GP-101176	0095	-	CR 36.523-2-0095 6.2.3.19 : Redirection to E-UTRA upon the release of the CS connection	9.1.2	9.2.0
2010-09	GERAN#47	GP-101178	0096	-	CR 36.523-2-0096 6.2.3.20: Redirection to E-UTRA upon the release of the CS connection and no suitable cell available	9.1.2	9.2.0
2010-09	GERAN#47	GP-101564	0097	-	CR 36.523-2-0097 Addition of new GELTE test cases- 6.2.3.27 and 6.2.3.29	9.1.2	9.2.0
2010-09	GERAN#47	GP-101565	0098	-	CR 36.523-2-0098 Adding TC 6.2.3.14 and 6.2.3.15	9.1.2	9.2.0
2010-09	RAN#49	R5-104068	0099	-	Correction to test case applicability C41	9.1.2	9.2.0
2010-09	RAN#49	R5-104116	0100	-	Addition of applicability for new EMM test case	9.1.2	9.2.0
2010-09	RAN#49	R5-104117	0101	-	Update of applicability for EMM test case 9.2.1.1.4	9.1.2	9.2.0
2010-09	RAN#49	R5-104290	0102	-	GCF Priority 4 - Addition of applicability statement for E-UTRAN test case 14.3	9.1.2	9.2.0
2010-09	RAN#49	R5-104315	0103	-	Add pics for IMS	9.1.2	9.2.0
2010-09	RAN#49	R5-104337	0104	-	Applicability of new EMM TCs	9.1.2	9.2.0
2010-09	RAN#49	R5-104338	0105	-	Applicability of new IDLE mode TCs	9.1.2	9.2.0
2010-09	RAN#49	R5-104339	0106	-	Applicability of new RRC part 1 TCs	9.1.2	9.2.0
2010-09	RAN#49	R5-104391	0107	-	Removal of applicability for DSMIPv6 test case 15.3	9.1.2	9.2.0
2010-09	RAN#49	R5-104540	0108	-	Clarification of UE behaviour when a UTRAN or GERAN capable UE is configured to initiate EPS attach	9.1.2	9.2.0
2010-09	RAN#49	R5-104636	0109	-	Addition of applicability for new multi-layer test case 13.1.2	9.1.2	9.2.0
2010-09	RAN#49	R5-104638	0110	-	Applicability for new test case 8.2.4.12	9.1.2	9.2.0
2010-09	RAN#49	R5-104641	0111	-	Applicability for new emergency call TC	9.1.2	9.2.0
2010-09	RAN#49	R5-104642	0112	-	Add capability for IMS emergency call	9.1.2	9.2.0
2010-09	RAN#49	R5-105029	0113	-	Clarification to release column in tables A.4.3.1-1 and A.4.3.1-2	9.1.2	9.2.0
2010-09	RAN#49	R5-105036	0114	-	Correction to test case applicability condition C59	9.1.2	9.2.0
2010-09	RAN#49	R5-105037	0115	-	Correction to test case applicability condition for test case 9.3.1.16	9.1.2	9.2.0
2010-09	RAN#49	R5-105038	0116	-	Correction to test case applicability for test cases 12.3.3 & 12.3.4	9.1.2	9.2.0
2010-09	RAN#49	R5-105042	0117	-	Addition of some EMM TCs applicability to 36.523-2	9.1.2	9.2.0
2010-09	RAN#49	R5-105043	0118	-	Corrections to applicability conditions C58 and C65	9.1.2	9.2.0
2010-09	RAN#49	R5-105044	0119	-	GCF Priority X: Adding applicability of new ESM test case 10.9.1 for UE routing of uplinks packets	9.1.2	9.2.0
2010-09	RAN#49	R5-105045	0120	-	Addition of applicability statement of new TC 6.3.3	9.1.2	9.2.0
2010-09	RAN#49	R5-105048	0121	-	GCF Priority 2 - Addition of applicability statement for E-UTRAN test case 6.2.3.4	9.1.2	9.2.0
2010-09	RAN#49	R5-105049	0122	-	GCF Priority 2 - Correction of applicability statement for E-UTRAN test case 8.1.3.7, 8.4.2.2 & 8.4.2.4	9.1.2	9.2.0
2010-09	RAN#49	R5-104766	0124	-	GCF Priority 2 - Correction to EUTRA RRC Test Case 8.3.1.9	9.1.2	9.2.0
2010-09	RAN#49	R5-104775	0125	-	Addition of applicabilities for new test cases	9.1.2	9.2.0

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2010-09	RAN#49	R5-105039	0126	-	GCF Priority 3 - Add Applicability for Multi-layer test case 13.1.4	9.1.2	9.2.0
2010-09	RAN#49	R5-105040	0127	-	GCF Priority 3 - Add Applicability for EMM test case 9.2.2.1.3	9.1.2	9.2.0
2010-12	RAN#50	R5-106141	0132	-	Applicability for RRC connection establishment of emergency call / Limited Service	9.2.0	9.3.0
2010-12	RAN#50	R5-106142	0133	-	Correct TC number emergency call	9.2.0	9.3.0
2010-12	RAN#50	R5-106184	0134	-	GCF Priority 3 - Correction of applicability statement for E-UTRAN test case 6.1.2.13	9.2.0	9.3.0
2010-12	RAN#50	R5-106185	0135	-	Addition of applicability statement for E-UTRAN test case 6.2.3.31	9.2.0	9.3.0
2010-12	RAN#50	R5-106191	0136	-	GCF Priority 1, P3 and P4 : Addition of new PICS to table A.4.4-1	9.2.0	9.3.0
2010-12	RAN#50	R5-106258	0137	-	Applicability of new RRC part 1 TC	9.2.0	9.3.0
2010-12	RAN#50	R5-106259	0138	-	Applicability of new Multilayer Procedures TC	9.2.0	9.3.0
2010-12	RAN#50	R5-106299	0139	-	Addition of applicability for new idle mode test case on inter-freq cell reselection based on CSG autonomous search	9.2.0	9.3.0
2010-12	RAN#50	R5-106359	0140	-	Applicability for New TCs of cell reselection when 1xRTT is higher/lower priority	9.2.0	9.3.0
2010-12	RAN#50	R5-106389	0141	-	GCF Priority 4 - Add Applicability for PLMN selection test case 6.1.1.2	9.2.0	9.3.0
2010-12	RAN#50	R5-106467	0142	-	Correction to applicability condition for test case 13.1.5	9.2.0	9.3.0
2010-12	RAN#50	R5-106554	0143	-	CR to 36.523-2: Update Table A.4.3.1-2 for band 41 TDD LTE 2600MHz to RF baseline implementation capabilities.	9.2.0	9.3.0
2010-12	RAN#50	R5-106562	0144	-	GCF Priority 2 – Addition of PICS statement related with UTRA compressed mode	9.2.0	9.3.0
2010-12	RAN#50	R5-106639	0151	-	GCF Priority 4 - Applicability of Section 6.3 TCs	9.2.0	9.3.0
2010-12	RAN#50	R5-106646	0145	-	GCF priority x: Applicability for new test cases 9.2.1.2.1c and 9.2.3.2.1c	9.2.0	9.3.0
2010-12	RAN#50	R5-106663	0146	-	Update of Applicability table for EMM test cases	9.2.0	9.3.0
2010-12	RAN#50	R5-106664	0147	-	GCF Priority 3 - Correction to applicability condition C48	9.2.0	9.3.0
2010-12	RAN#50	R5-106668	0148	-	GCF Priority 4 - Correction to the applicability for test case 8.1.7.3	9.2.0	9.3.0
2010-12	RAN#50	R5-106677	0149	-	GCF Priority 3 - Add Applicability for EMM test case 9.2.3.2.13	9.2.0	9.3.0
2010-12	RAN#50	R5-106683	0150	-	GCF Priority 3 - Addition of test case selection expression for test case 9.2.3.3.4	9.2.0	9.3.0
2011-03	GERAN#49	GP-110022	0152	-	CR 36.523-2-0152 New test cases 6.2.3.17 and 6.2.3.18 added Part 2	9.3.0	9.4.0
2011-03	GERAN#49	GP-110045	0153	-	CR 36.523-2-0153 Addition of new GELTE test case 6.2.3.29	9.3.0	9.4.0
2011-03	GERAN#49	GP-110096	0155	-	CR 36.523-2-0155 New test cases 6.2.1.6, 6.2.3.16, 6.2.3.17, 6.2.3.24, 6.2.3.26 added in Part 2	9.3.0	9.4.0
2011-03	GERAN#49	GP-110431	0154	1	CR 36.523-2-0154 Addition of new Test cases 8.4.4.1 and 8.4.4.2	9.3.0	9.4.0
2011-03	RAN#51	R5-110188	0180	-	GCF Priority 4 - Addition of test case selection expression for test case 6.1.1.3	9.3.0	9.4.0
2011-03	RAN#51	R5-110196	0181	-	GCF Priority 3 - Correction to EMM test case 9.3.1.15	9.3.0	9.4.0
2011-03	RAN#51	R5-110213	0182	-	GCF Priority 2 Correction of applicability statement for Non-supported FGI 16 test cases	9.3.0	9.4.0
2011-03	RAN#51	R5-110214	0183	-	Addition of applicability statement for E-UTRAN test case 6.2.3.32 for Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle, Snonintrasearch	9.3.0	9.4.0
2011-03	RAN#51	R5-110339	0184	-	Addition of applicability for new idle mode test case on manual CSG ID selection across PLMNs	9.3.0	9.4.0
2011-03	RAN#51	R5-110340	0185	-	Addition of applicability for new idle mode test case on inter-freq cell reselection to hybrid cell based on CSG autonomous search	9.3.0	9.4.0
2011-03	RAN#51	R5-110236	0156	-	Correction to applicability of tests conditions for RRC part 3 TCs	9.3.0	9.4.0
2011-03	RAN#51	R5-110238	0157	-	Correction to applicability of tests conditions for inter-RAT TCs	9.3.0	9.4.0
2011-03	RAN#51	R5-110314	0158	-	GCF Priority 4 - Correction to 8.2.4.10 test applicability	9.3.0	9.4.0
2011-03	RAN#51	R5-110315	0159	-	GCF Priority 3 - Correction to applicability condition for test case 13.1.4	9.3.0	9.4.0
2011-03	RAN#51	R5-110343	0160	-	Addition of applicability for new test case on Service request for mobile originating 1xCS fallback emergency call	9.3.0	9.4.0
2011-03	RAN#51	R5-110344	0161	-	Addition of applicability for new test case on emergency call in non-allowed CSG cell	9.3.0	9.4.0
2011-03	RAN#51	R5-110409	0162	-	Applicability condition for new test case 11.2.1 for CT1 aspects of emergency calls	9.3.0	9.4.0
2011-03	RAN#51	R5-110461	0163	-	Correct condition for emergency	9.3.0	9.4.0
2011-03	RAN#51	R5-110474	0164	-	Addition of applicability for new test case 6.3.2	9.3.0	9.4.0
2011-03	RAN#51	R5-110476	0165	-	GCF Priority 4: Applicability for New TC 13.1.9	9.3.0	9.4.0
2011-03	RAN#51	R5-110480	0166	-	Applicability for New IMS Emergency TCs	9.3.0	9.4.0
2011-03	RAN#51	R5-110537	0167	-	Adding new operating bands 42 and 43 (3500MHz)	9.3.0	9.4.0
2011-03	RAN#51	R5-110568	0168	-	Corrections of idle mode test case titles in applicability table	9.3.0	9.4.0

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2011-03	RAN#51	R5-110592	0169	-	GCF Priority X: Adding applicability for test case 9.2.1.2.1d Combined attach procedure / Success / EPS and CS Fallback not preferred/data centric UE	9.3.0	9.4.0
2011-03	RAN#51	R5-110598	0170	-	GCF Priority 3 - Correction to applicability of EMM test case 9.1.5.1	9.3.0	9.4.0
2011-03	RAN#51	R5-110720	0171	-	GCF Priority 1 - Addition of applicability for multiple PDN	9.3.0	9.4.0
2011-03	RAN#51	R5-110761	0172	-	GCF Priority 3 - Correction to selection expression for SPS scheduling and TTI bundling test cases	9.3.0	9.4.0
2011-03	RAN#51	R5-110762	0173	-	GCF Priority 3 - Addition of applicability statement for new test case 6.2.2.x	9.3.0	9.4.0
2011-03	RAN#51	R5-110763	0174	-	GCF Priority 3-add part2 for TC 9.2.3.2.1a	9.3.0	9.4.0
2011-03	RAN#51	R5-110780	0175	-	Add Applicability for new Multilayer Procedures test case 13.4.1.3	9.3.0	9.4.0
2011-03	RAN#51	R5-110782	0176	-	GCF Priority 4 - Addition of test case selection expression for test case 6.1.2.1	9.3.0	9.4.0
2011-03	RAN#51	R5-110799	0177	-	Update of applicability for test case 8.1.2.10	9.3.0	9.4.0
2011-03	RAN#51	R5-110800	0178	-	GCF Priority X: Addition of applicability for SIG TC 7.1.8.1: Periodic RI reporting using PUCCH / Category 1 UE / Transmission mode 3/4	9.3.0	9.4.0
2011-03	RAN#51	R5-110801	0179	-	Clarification to applicability of measurements requirements for Inter-RAT	9.3.0	9.4.0
2011-06	RAN#52	R5-112132	0190	-	Correction to Band 12 frequency range in 36.523-2	9.4.0	9.5.0
2011-06	RAN#52	R5-112163	0191	-	Applicability of new Multi-layer Procedure TCs	9.4.0	9.5.0
2011-06	RAN#52	R5-112179	0192	-	Add applicability for GCF Priority 3 TC 9.2.3.3.5a	9.4.0	9.5.0
2011-06	RAN#52	R5-112272	0193	-	Applicability of new test case 9.2.3.1.22	9.4.0	9.5.0
2011-06	RAN#52	R5-112273	0194	-	Add capability for SRVCC	9.4.0	9.5.0
2011-06	RAN#52	R5-112277	0195	-	Add GSMA PRD IR.92 IMS voice capability	9.4.0	9.5.0
2011-06	RAN#52	R5-112292	0196	-	GCF Priority 4 - Correction to applicability of TC 6.3.4 on UTRA FGI bit 1	9.4.0	9.5.0
2011-06	RAN#52	R5-112303	0197	-	GCF Priority 3 - Addition of applicability for new test case 13.4.2.4	9.4.0	9.5.0
2011-06	RAN#52	R5-112369	0198	-	Addition of applicability statement for new GCF Priority 3 EMM test case 9.2.2.1.4	9.4.0	9.5.0
2011-06	RAN#52	R5-112394	0199	-	Addition of applicability for new HeNB test case on intra-frequency SI acquisition	9.4.0	9.5.0
2011-06	RAN#52	R5-112489	0201	-	Addition of band 24 in Table A.4.3.1-1	9.4.0	9.5.0
2011-06	RAN#52	R5-112512	0202	-	Applicability for new TC for IMS Emergency 11.2.7	9.4.0	9.5.0
2011-06	RAN#52	R5-112530	0203	-	GCF Priority 4 -:Applicability for new LTE CSFB TC 13.1.10	9.4.0	9.5.0
2011-06	RAN#52	R5-112568	0204	-	GCF Priority 3 - Correction to applicability condition for TC 9.2.3.1.25	9.4.0	9.5.0
2011-06	RAN#52	R5-112596	0205	-	Addition of applicability for new test case 6.4.6 and 6.4.7	9.4.0	9.5.0
2011-06	RAN#52	R5-112613	0206	-	Add applicability for GCF Priority 2 test case 9.2.3.3.6	9.4.0	9.5.0
2011-06	RAN#52	R5-112633	0207	-	GCF Priority 3 - Addition of Applicability for new test case 8.4.3.1	9.4.0	9.5.0
2011-06	RAN#52	R5-112635	0208	-	GCF Priority 3 - Update of Applicability table for Multi-layer Procedures Procedure test cases 13.4.2.2	9.4.0	9.5.0
2011-06	RAN#52	R5-112637	0209	-	Addition applicability condition for test Case 13.3.2.1 in 36.523-2	9.4.0	9.5.0
2011-06	RAN#52	R5-112655	0210	-	Add applicability for test case 11.2.2	9.4.0	9.5.0
2011-06	RAN#52	R5-112656	0211	-	Addition of applicability for new test case on Attach for emergency bearer services / Rejected / No suitable cells in tracking area / Emergency call using the CS domain	9.4.0	9.5.0
2011-06	RAN#52	R5-112662	0212	-	GCF priority 4 -Addition of applicability for new Multi-layer Procedures test case 13.1.11 and 13.1.12	9.4.0	9.5.0
2011-06	RAN#52	R5-112663	0213	-	GCF priority 4 - Addition of applicability for new Multi-layer Procedures test case 13.1.13	9.4.0	9.5.0
2011-06	RAN#52	R5-112664	0214	-	Addition of applicability statement for E-UTRAN test case 9.2.3.1.9 for normal tracking area update / Correct handling of CSG list	9.4.0	9.5.0
2011-06	RAN#52	R5-112669	0215	-	Add applicability for new test case 13.4.3.1	9.4.0	9.5.0
2011-06	RAN#52	R5-112670	0216	-	Correction to the contents of Release information of Tables of A.4.3.1-1, A.4.3.1-2 and A.4.3.2-1	9.4.0	9.5.0
2011-06	RAN#52	R5-112681	0217	-	Addition of applicability statement for E-UTRAN test cases 6.4.3, 6.4.4 and 6.4.5	9.4.0	9.5.0
2011-06	RAN#52	R5-112684	0218	-	Addition of applicability for new test case on manual CSG ID selection on Hybrid non-member cell.	9.4.0	9.5.0
2011-06	RAN#52	R5-112696	0219	-	Addition of applicability for new MBMS test cases 17.1.1, 17.1.2 and 17.1.3	9.4.0	9.5.0
2011-06	RAN#52	R5-112704	0220	-	GCF priority 4 - Addition of applicability for new EMM test case 9.2.3.3.3	9.4.0	9.5.0
2011-06	RAN#52	R5-112758	0200	-	Addition of applicability for new test case 9.2.2.1.10	9.4.0	9.5.0
2011-06	GERAN#50	GP-110833	0222	-	CR 36.523-2-0222 Addition of new Test cases 8.4.4.2 and 8.4.4.3	9.4.0	9.5.0
2011-06	GERAN#50	GP-110840	0186	1	CR 36.523-2-0186 Applicability correction for Geran to Eutran test cases	9.4.0	9.5.0

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2011-06	GERAN#50	GP-110841	0188	1	CR 36.523-2-0188 Removal of LTE TC 6.2.3.2 applicability due to duplication	9.4.0	9.5.0
2011-09	RAN#53	R5-113088	0241	-	GCF Priority 4 - Update of applicability statement for Rel-8 test cases on handover between FDD and TDD for dual mode UE	9.5.0	9.6.0
2011-09	RAN#53	R5-113156	0223	-	Addition of band 25 in Table A.4.3.1-1	9.5.0	9.6.0
2011-09	RAN#53	R5-113159	0224	-	Addition of applicability statement for new Rel-9 test case for e1xCSFB / MT call	9.5.0	9.6.0
2011-09	RAN#53	R5-113160	0225	-	Addition of applicability statement for new Rel-9 test case for e1xCSFB / MO call	9.5.0	9.6.0
2011-09	RAN#53	R5-113349	0226	-	Applicability of new E-UTRA MAC test case for padding BSR	9.5.0	9.6.0
2011-09	RAN#53	R5-113398	0227	-	Add applicability for SRVCC test cases	9.5.0	9.6.0
2011-09	RAN#53	R5-113612	0228	-	Update IMS emergency applicability	9.5.0	9.6.0
2011-09	RAN#53	R5-113631	0229	-	GCF Priority 2: Correction to condition C97	9.5.0	9.6.0
2011-09	RAN#53	R5-113669	0230	-	Update Table A.4.3.1-2 for Band 23 FDD LTE in 36.523-2	9.5.0	9.6.0
2011-09	RAN#53	R5-113686	0231	-	GCF Priority 2 - Correction to the applicability statement of TC 9.2.3.1.2	9.5.0	9.6.0
2011-09	RAN#53	R5-113724	0232	-	GCF Priority 4 - Update TS36.523-2 for new test case 8.4.1.5	9.5.0	9.6.0
2011-09	RAN#53	R5-113731	0233	-	Correction the title for test case 8.5.2.1 of 36.523-2	9.5.0	9.6.0
2011-09	RAN#53	R5-113732	0234	-	Correction to the duplicated condition of 36.523-2	9.5.0	9.6.0
2011-09	RAN#53	R5-113733	0235	-	Indication of Number of TC Executions for TCs that contain multi-RAT branches	9.5.0	9.6.0
2011-09	RAN#53	R5-113760	0236	-	GCF Priority X - New TC 8.3.4.2.3.4 Applicability	9.5.0	9.6.0
2011-09	RAN#53	R5-113768	0237	-	Addition of a applicability statements for new eMBMS tests in clause 17.2	9.5.0	9.6.0
2011-09	RAN#53	R5-113785	0238	-	Applicability for new TC 8.2.1.8	9.5.0	9.6.0
2011-09	RAN#53	R5-113814	0239	-	Correction of EMM TC applicability	9.5.0	9.6.0
2011-09	RAN#53	R5-113327	0240	-	Addition applicability condition for test Case 13.3.2.2 in 36.523-2	9.5.0	9.6.0
2011-12	RAN#54	R5-115168	0244	-	GCF Priority 4 - Correction to test case selection expression for test case 9.2.3.1.20	9.6.0	9.7.0
2011-12	RAN#54	R5-115171	0245	-	Correction to the applicability condition of test case 8.4.7.6 in TS 36.523-2	9.6.0	9.7.0
2011-12	RAN#54	R5-115178	0246	-	GCF Priority 4 - Removal of applicability for test case 14.3	9.6.0	9.7.0
2011-12	RAN#54	R5-115190	0247	-	Adding band 22 (3500MHz FDD) to 36.523-2	9.6.0	9.7.0
2011-12	RAN#54	R5-115238	0248	-	Correction to the applicability statements - PSHO from E to G is mapped incorrectly and other corrections to Multi-layer procedures	9.6.0	9.7.0
2011-12	RAN#54	R5-115273	0249	-	Addition of applicability statement for new Rel-9 test case 6.2.3.7a	9.6.0	9.7.0
2011-12	RAN#54	R5-115274	0250	-	Addition of applicability statement for new Rel-9 test case 6.2.3.8a	9.6.0	9.7.0
2011-12	RAN#54	R5-115276	0251	-	Addition of applicability statement for new Rel-9 test case 6.2.3.9a	9.6.0	9.7.0
2011-12	RAN#54	R5-115277	0252	-	Addition of applicability statement for new Rel-9 test case 6.2.3.10a	9.6.0	9.7.0
2011-12	RAN#54	R5-115301	0253	-	Editorial correction to conditionals C32 and C33	9.6.0	9.7.0
2011-12	RAN#54	R5-115302	0254	-	Corrections to the applicability of CSG test cases	9.6.0	9.7.0
2011-12	RAN#54	R5-115312	0255	-	GCF Priority x - New TC 6.1.2.2a_3a_17_18 Applicability	9.6.0	9.7.0
2011-12	RAN#54	R5-115317	0256	-	Update of Indication of Number of TC Executions for TCs that contain multi-RAT branches	9.6.0	9.7.0
2011-12	RAN#54	R5-115356	0257	-	GCF Priority 3 - Correction to applicability EMM test case 9.2.1.1.25	9.6.0	9.7.0
2011-12	RAN#54	R5-115362	0258	-	GCF Priority 2 - Correction to applicability EMM test case 9.2.3.3.5	9.6.0	9.7.0
2011-12	RAN#54	R5-115364	0259	-	Correction of PICS pc_HO_from_UTRA	9.6.0	9.7.0
2011-12	RAN#54	R5-115372	0260	-	Update to conditional C55 for GCF P2 - P4 test cases 10.8.1 - 10.8.7	9.6.0	9.7.0
2011-12	RAN#54	R5-115551	0261	-	GCF priority 4 - Corrections to applicability of EMM test case 9.2.3.3.5a	9.6.0	9.7.0
2011-12	RAN#54	R5-115577	0262	-	Correction to the applicability of the MIMO RB test cases 12.3.x	9.6.0	9.7.0
2011-12	RAN#54	R5-115632	0263	-	Update the title of test case 11.2.4	9.6.0	9.7.0
2011-12	RAN#54	R5-115643	0264	-	Removal of TC 11.2.9 Applicability	9.6.0	9.7.0
2011-12	RAN#54	R5-115714	0265	-	Addition of applicability statement for 1xCSFB emergency call	9.6.0	9.7.0
2011-12	RAN#54	R5-115715	0266	-	Clarification of Release-dependency in EUTRA test applicability	9.6.0	9.7.0
2011-12	RAN#54	R5-115716	0267	-	Correction to the title of test case 13.1.9 and 13.1.11 in TS 36.523-2	9.6.0	9.7.0
2011-12	RAN#54	R5-115717	0268	-	Applicability of new test case for Dedicated RLF timer	9.6.0	9.7.0
2011-12	RAN#54	R5-115718	0269	-	Applicability of new test case for High speed flag	9.6.0	9.7.0
2011-12	RAN#54	R5-115719	0270	-	GCF Priority X: Addition of Applicability for new test cases 8.3.1.9a and 8.3.1.11a	9.6.0	9.7.0
2011-12	RAN#54	R5-115894	0271	-	Addition of applicability for new test case 6.2.3.1a	9.6.0	9.7.0
2011-12	RAN#54	R5-115799	0272	-	GCF priority x - Addition of applicability of new test case 6.1.1.1a	9.6.0	9.7.0
2011-12	RAN#54	R5-115895	0273	-	GCF Priority 2 - Update of applicability of EMM test case 9.2.2.1.7	9.6.0	9.7.0
2011-12	RAN#54	R5-115772	0274	-	GCF Priority 3 - Update of EMM test cases 9.2.3.1.26	9.6.0	9.7.0
2011-12	RAN#54	R5-115773	0275	-	GCF Priority 3 - Correction to applicability EMM test cases 9.2.1.2.4 and 9.2.3.2.4	9.6.0	9.7.0
2012-03	RAN#55	R5-120121	0276	-	Addition of applicability for test case 11.2.5	9.7.0	9.8.0

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2012-03	RAN#55	R5-120164	0277	-	Addition of applicability statement for E-UTRAN test cases 6.2.3.3a and 6.2.3.5a	9.7.0	9.8.0
2012-03	RAN#55	R5-120201	0278	-	Addition of applicability for new MBMS test case	9.7.0	9.8.0
2012-03	RAN#55	R5-120205	0279	-	Addition of applicability statement for new Rel-9 test case 13.4.4.1	9.7.0	9.8.0
2012-03	RAN#55	R5-120206	0280	-	Addition of applicability statement for new Rel-9 test case 13.4.4.2	9.7.0	9.8.0
2012-03	RAN#55	R5-120260	0281	-	Addition applicability for new 13.4.4.3 LTE-CDMA2000-HRPD interworking test case	9.7.0	9.8.0
2012-03	RAN#55	R5-120416	0283	-	Update title for test case 11.2.2	9.7.0	9.8.0
2012-03	RAN#55	R5-120452	0284	-	Applicability of new test case 8.3.1.3a	9.7.0	9.8.0
2012-03	RAN#55	R5-120453	0285	-	Applicability of new test case 8.3.2.3a	9.7.0	9.8.0
2012-03	RAN#55	R5-120455	0286	-	Correction to applicability for test cases 9.2.3.3.2, 9.2.3.3.3 and 9.2.3.3.5	9.7.0	9.8.0
2012-03	RAN#55	R5-120499	0287	-	GCF priority U1 - Add speech support for CSFB test cases in Multilayer section	9.7.0	9.8.0
2012-03	RAN#55	R5-120501	0288	-	GCF priority U1 - Correction to test case selection expression for IRAT EMM test cases	9.7.0	9.8.0
2012-03	RAN#55	R5-120586	0289	-	Addition of applicability statement for new Rel-9 test cases 18.1.1	9.7.0	9.8.0
2012-03	RAN#55	R5-120702	0301	-	GCF Priority x : Update of titles of test cases 8.3.1.9a and 8.3.1.11a	9.7.0	9.8.0
2012-03	RAN#55	R5-120704	0290	-	Addition of applicability statement for new test case 11.2.10	9.7.0	9.8.0
2012-03	RAN#55	R5-120716	0291	-	Applicability addition for new inter-mode test cases	9.7.0	9.8.0
2012-03	RAN#55	R5-120746	0294	-	Addition applicability for new 13.4.4.4 LTE-CDMA2000-HRPD interworking test case	9.7.0	9.8.0
2012-03	RAN#55	R5-120747	0295	-	Applicability of new test case 6.2.3.x	9.7.0	9.8.0
2012-03	RAN#55	R5-120748	0296	-	Update of FGI bit table	9.7.0	9.8.0
2012-03	RAN#55	R5-120755	0297	-	Addition of new PICS for Support of automatic re-activation of the EPS bearer(s) after the TAU reject with cause #40	9.7.0	9.8.0
2012-03	RAN#55	R5-120759	0298	-	GCF Priority 2 : Introduction of applicability statements for new equivalent 6.1.1.x and 6.1.2.x test cases to cater for bands with single frequency operation	9.7.0	9.8.0
2012-03	RAN#55	R5-120762	0299	-	GCF priority 4: Cleanup and aligning applicability of SRVCC	9.7.0	9.8.0
2012-03	RAN#55	R5-120763	0300	-	GCF Priority 3 - Correction to applicability for EMM test cases 9.2.1.2.4 and 9.2.3.2.4	9.7.0	9.8.0
2012-03	RAN#55	R5-120348	0282	-	Addition of applicability statement for new Rel-10 test case 7.1.3.11 CA / Correct HARQ process handling / DCCH and DTCH / Pcell and Scell	9.8.0	10.0.0
2012-03	RAN#55	R5-120735	0292	-	Applicability for new CA test cases	9.8.0	10.0.0
2012-03	RAN#55	R5-120745	0293	-	Applicability of new MDT test cases	9.8.0	10.0.0
2012-06	RAN#56	R5-121200	0303	-	Addition of applicability statement for new Rel-9 SRVCC test case 13.4.3.6	10.0.0	10.1.0
2012-06	RAN#56	R5-121204	0304	-	GCF priority x - Update applicability of test case 6.1.1.1a	10.0.0	10.1.0
2012-06	RAN#56	R5-121213	0305	-	Applicability of new MDT test cases 8.6.2.5	10.0.0	10.1.0
2012-06	RAN#56	R5-121215	0306	-	Applicability of new MDT test cases 8.6.2.6	10.0.0	10.1.0
2012-06	RAN#56	R5-121217	0307	-	Applicability of new MDT test cases 8.6.2.7	10.0.0	10.1.0
2012-06	RAN#56	R5-121220	0308	-	Applicability of new MDT test cases 8.6.2.8	10.0.0	10.1.0
2012-06	RAN#56	R5-121224	0309	-	Adding operating band 26 to TS 36.523-2	10.0.0	10.1.0
2012-06	RAN#56	R5-121302	0310	-	Correction to applicability for test case 9.2.3.3.5a	10.0.0	10.1.0
2012-06	RAN#56	R5-121399	0311	-	Addition of applicability statement for Logged MDT test case 8.6.3.1	10.0.0	10.1.0
2012-06	RAN#56	R5-121401	0312	-	Correction of PICS for RSRQ Cell Reselection Applicability	10.0.0	10.1.0
2012-06	RAN#56	R5-121421	0313	-	GCF Priority 2 and 3 - Removal of 'Active' flag test cases from 36.523-2	10.0.0	10.1.0
2012-06	RAN#56	R5-121427	0314	-	Editorial clean up of 36.523-2	10.0.0	10.1.0
2012-06	RAN#56	R5-121429	0315	-	Update of Number of TC Executions for multi-frequency TCs	10.0.0	10.1.0
2012-06	RAN#56	R5-121512	0316	-	Introduction of applicability of new PWS test case 18.1.4	10.0.0	10.1.0
2012-06	RAN#56	R5-121542	0317	-	Addition of new PICS item	10.0.0	10.1.0
2012-06	RAN#56	R5-121638	0318	-	Add applicability for TC 11.2.11	10.0.0	10.1.0
2012-06	RAN#56	R5-121670	0319	-	GCF Priority 3 - Update of applicability for EMM test case 9.2.2.1.7	10.0.0	10.1.0
2012-06	RAN#56	R5-121741	0320	-	GCF Priority 2: Addition of applicability for equivalent EMM test cases for single frequency operation	10.0.0	10.1.0
2012-06	RAN#56	R5-121751	0321	-	GCF priority 3 - Correction to applicability of idle mode test case 6.2.2.5	10.0.0	10.1.0
2012-06	RAN#56	R5-121752	0322	-	GCF Priority 3 - Correction to applicability of EMM test case 9.2.3.2.17	10.0.0	10.1.0
2012-06	RAN#56	R5-121797	0323	-	GCF Priority X - Addition of applicability for new E-UTRA inter-band test cases	10.0.0	10.1.0
2012-06	RAN#56	R5-121798	0324	-	Correction to applicability for test cases 9.2.3.3.2, 9.2.3.3.3 and 9.2.3.3.5	10.0.0	10.1.0
2012-06	RAN#56	R5-121799	0325	-	Updates to ICS for inter-mode TCs	10.0.0	10.1.0
2012-06	RAN#56	R5-121800	0326	-	Correction to applicability of EMM test cases 9.2.3.1.9, 9.2.1.2.1b,	10.0.0	10.1.0

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					9.2.2.1.4 and 9.2.3.2.1b		
2012-06	RAN#56	R5-121801	0327	-	Addition of missing applicability conditions in 36.523-2 for E-UTRA Inter-System mobility Test Cases from 36.523-1.	10.0.0	10.1.0
2012-06	RAN#56	R5-121802	0328	-	Correction of TC release	10.0.0	10.1.0
2012-06	RAN#56	R5-121827	0329	-	Applicability of new UTRAN ANR/E-UTRAN test case	10.0.0	10.1.0
2012-06	RAN#56	R5-121845	0330	-	Applicability of new test case for RLF reporting	10.0.0	10.1.0
2012-06	RAN#56	R5-121864	0331	-	Correction of CA TC 8.2.4.17 Applicability, and removal of TC 8.2.4.16	10.0.0	10.1.0
2012-06	RAN#56	R5-121867	0332	-	Applicability of new CA test case for intra-frequency handover	10.0.0	10.1.0
2012-06	RAN#56	R5-121868	0333	-	Introduction of applicability of new Rel10 CA test case	10.0.0	10.1.0
2012-06	RAN#56	R5-122117	0334	-	Addition and Update of applicability statement for Rel-9 e1xCSFB test cases	10.0.0	10.1.0
2012-06	RAN#56	R5-122118	0335	-	Clarification of PICS conditions	10.0.0	10.1.0
2012-06	RAN#56	R5-122123	0336	-	Applicability for new MDT TCs	10.0.0	10.1.0
2012-06	RAN#56	R5-122128	0337	-	Addition of applicability statement for new PWS Rel-9 test case 18.1.7	10.0.0	10.1.0
2012-06	RAN#56	R5-122137	0338	-	Addition of applicability statement for E-UTRAN test cases 13.3.1.3	10.0.0	10.1.0
2012-06	RAN#56	-	-	-	Corrections to table sizes	10.1.0	10.1.1
2012-09	GERAN#56	GP-121044	0339	1	CR 36.523-2-0339 GCF priority g1 - Correction to applicability of Idle mode test cases 6.2.3.19, 6.2.3.20	10.1.1	10.2.0
2012-09	GERAN#56	GP-121045	0340	1	CR 36.523-2-0340 Correction to applicability of test case 6.2.3.29	10.1.1	10.2.0
2012-09	RAN#57	R5-123109	0341	-	GCF Priority X - Addition applicability of test case 8.4.7.11	10.1.1	10.2.0
2012-09	RAN#57	R5-123159	0342	-	Correct applicability for TC 8.2.4.12	10.1.1	10.2.0
2012-09	RAN#57	R5-123219	0343	-	GCF Priority 3 - Correction to applicability of EMM test case 9.2.3.2.17	10.1.1	10.2.0
2012-09	RAN#57	R5-123226	0344	-	Update Applicability Table for all PWS Test Cases	10.1.1	10.2.0
2012-09	RAN#57	R5-123229	0345	-	Correction to applicability of CA TC 7.1.3.11	10.1.1	10.2.0
2012-09	RAN#57	R5-123243	0346	-	GCF Priority X - Correction to applicability of Rel9 EUTRA Interband test cases	10.1.1	10.2.0
2012-09	RAN#57	R5-123260	0347	-	Clarify support for ROHC	10.1.1	10.2.0
2012-09	RAN#57	R5-123320	0348	-	Correction to PICS conditions	10.1.1	10.2.0
2012-09	RAN#57	R5-123353	0349	-	Clarification of EMM TC applicability	10.1.1	10.2.0
2012-09	RAN#57	R5-123419	0352	-	Addition of applicability statement for E-UTRAN test case 13.4.1.5	10.1.1	10.2.0
2012-09	RAN#57	R5-123425	0353	-	Introduction of new PICS for PWS	10.1.1	10.2.0
2012-09	RAN#57	R5-123484	0355	-	Applicability for new CA test cases	10.1.1	10.2.0
2012-09	RAN#57	R5-123551	0357	-	GCF priority 4 - Correction to EMM test case 9.3.1.18 test case applicability	10.1.1	10.2.0
2012-09	RAN#57	R5-123593	0358	-	Addition of Applicability for new InterRAT cell reselection Test Case	10.1.1	10.2.0
2012-09	RAN#57	R5-123628	0359	-	GCF Priority 3 - Correction to applicability statement of EMM test case 9.2.2.1.3	10.1.1	10.2.0
2012-09	RAN#57	R5-123639	0360	-	GCF Priority 2: Introduction of missing applicability for test case 9.2.1.1.7a	10.1.1	10.2.0
2012-09	RAN#57	R5-123679	0361	-	GCF Priority X: Addition of Applicability for new Inter band test case 6.1.2.15b	10.1.1	10.2.0
2012-09	RAN#57	R5-123707	0362	-	Corrections to title of 8.6.5.3 and applicability of test case 8.6.5.1	10.1.1	10.2.0
2012-09	RAN#57	R5-123710	0363	-	Addition of applicability statement for new eICIC test cases	10.1.1	10.2.0
2012-09	RAN#57	R5-123750	0364	-	Upgrade LTE-UTRA TDD TCs to Rel-9	10.1.1	10.2.0
2012-09	RAN#57	R5-123764	0365	-	Addition of applicability statement for new CA test case 8.4.2.7	10.1.1	10.2.0
2012-09	RAN#57	R5-123765	0366	-	Correction of CA TCs Applicability	10.1.1	10.2.0
2012-09	RAN#57	R5-123368	0350	-	Addition of applicability statement for new Test Case 7.3.4.3: Integrity protection / Correct functionality of EPS AS integrity algorithms / ZUC	10.2.0	11.0.0
2012-09	RAN#57	R5-123376	0351	-	Addition of applicability statement for new ZUC test case 7.3.3.6	10.2.0	11.0.0
2012-09	RAN#57	R5-123441	0354	-	Addition of applicability statement for new ZUC Rel-11 test cases	10.2.0	11.0.0
2012-12	RAN#58	R5-125075	0367	-	GCF P3: Update of applicability of TC 9.2.1.1.19	11.0.0	11.1.0
2012-12	RAN#58	R5-125117	0368	-	Addition of new PICS for Support of automatic ATTACH in E-UTRAN	11.0.0	11.1.0
2012-12	RAN#58	R5-125128	0369	-	Correction of LTE-UTRA FDD TCs Release	11.0.0	11.1.0
2012-12	RAN#58	R5-125131	0370	-	Split of CA TC 7.1.3.11 Applicability	11.0.0	11.1.0
2012-12	RAN#58	R5-125208	0371	-	Update of EMM TC applicability	11.0.0	11.1.0
2012-12	RAN#58	R5-125270	0372	-	GCF Priority 3 - Correction to applicability for test case 6.2.2.5	11.0.0	11.1.0
2012-12	RAN#58	R5-125277	0373	-	Additional information applicability to TDD devices	11.0.0	11.1.0
2012-12	RAN#58	R5-125282	0374	-	Editorial updates to 36.523-2	11.0.0	11.1.0
2012-12	RAN#58	R5-125286	0375	-	Correction to applicability condition C134 for Carrier Aggregation	11.0.0	11.1.0
2012-12	RAN#58	R5-125348	0376	-	Adding bands 28 and 44 to TS36.523-2	11.0.0	11.1.0
2012-12	RAN#58	R5-125406	0377	-	Addition of applicability of new E-UTRAN MDT test cases	11.0.0	11.1.0
2012-12	RAN#58	R5-125524	0378	-	Applicability of new MDT test cases	11.0.0	11.1.0
2012-12	RAN#58	R5-125637	0380	-	GCF Priority X - Correction to applicability of Rel9 EUTRA Interband test cases	11.0.0	11.1.0

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2012-12	RAN#58	R5-125727	0382	-	GCF Priority 4: Corrections to user PLMN reselection test cases	11.0.0	11.1.0
2012-12	RAN#58	R5-125745	0383	-	Introduction of Band 27 to TS 36.523-2	11.0.0	11.1.0
2012-12	RAN#58	R5-125760	0384	-	GCF Priority x - Update to Squal based EUTRA Idle mode test cases	11.0.0	11.1.0
2012-12	RAN#58	R5-125777	0385	-	GCF Priority X - Updates Applicability for renumbering 8.4.7.11 to 8.4.7.10	11.0.0	11.1.0
2012-12	RAN#58	R5-125784	0386	-	Addition of applicability statement for new H(e)NB test cases	11.0.0	11.1.0
2012-12	RAN#58	R5-125791	0387	-	Applicability for new UL MIMO test case 7.1.4.22	11.0.0	11.1.0
2012-12	RAN#58	R5-126002	0388	-	Applicability of new test cases for aSRVCC	11.0.0	11.1.0
2012-12	RAN#58	R5-126009	0389	-	Applicability for split CA test cases 7.1.4.19 and 7.1.4.20	11.0.0	11.1.0
2012-12	RAN#58	R5-126010	0390	-	Aligning LTE CA ICS proforma tables for test case applicability conditions with UE Capability signalling	11.0.0	11.1.0
2012-12	RAN#58	R5-126011	0391	-	Split of CA TC 7.1.9.1	11.0.0	11.1.0
2012-12	RAN#58	R5-126031	0392	-	Applicability of new CA test case 7.1.4.18 CA / Correct handling of MAC control information / Buffer Status / UL data arrive in the UE Tx buffer / Extended buffer size	11.0.0	11.1.0
2012-12	RAN#58	R5-126072	0393	-	Addition of applicability statement for new Rel-10 Carrier Aggregation test cases	11.0.0	11.1.0
2013-03	RAN#59	R5-130089	0393	-	Addition of reference to TS 34.229-2	11.1.0	11.2.0
2013-03	RAN#59	R5-130090	0394	-	Corrections to inter-RAT(UTRA to EUTRA) TCs applicability	11.1.0	11.2.0
2013-03	RAN#59	R5-130181	0395	-	Adding applicability for new aSRVCC TCs 13_4_3_15 and 13_4_3_17	11.1.0	11.2.0
2013-03	RAN#59	R5-130193	0396	-	Addition of new PICS for supporting Update UE Location Information	11.1.0	11.2.0
2013-03	RAN#59	R5-130339	0397	-	Applicability of new MDT test cases	11.1.0	11.2.0
2013-03	RAN#59	R5-130359	0398	-	Adding applicability for new LTE Rel-9 TC for UE rejection of NAS security mode command w ith EIA0	11.1.0	11.2.0
2013-03	RAN#59	R5-130360	0399	-	Update of single-multiple frequency tests execution	11.1.0	11.2.0
2013-03	RAN#59	R5-130368	0400	-	Correction to the EPS capability PICS	11.1.0	11.2.0
2013-03	RAN#59	R5-130371	0401	-	Correction to the applicability statement of GCF U1 EMM test cases 9.2.1.2.1b and 9.2.3.2.1b	11.1.0	11.2.0
2013-03	RAN#59	R5-130446	0402	-	Correction to CA physical layer implementation capabilities	11.1.0	11.2.0
2013-03	RAN#59	R5-130447	0403	-	Addition of CA physical layer implementation capabilities for CA_4-5 and CA_4-13	11.1.0	11.2.0
2013-03	RAN#59	R5-130473	0404	-	Updating spec titles in References	11.1.0	11.2.0
2013-03	RAN#59	R5-130667	0405	-	GCF Priority X-Correction to applicability of TC 6.2.3.33	11.1.0	11.2.0
2013-03	RAN#59	R5-130668	0406	-	Addition of Applicability for new SMS test cases 11.1.5 and 11.1.6	11.1.0	11.2.0
2013-03	RAN#59	R5-130724	0407	-	Addition of applicability of new NIMTC test cases	11.1.0	11.2.0
2013-03	RAN#59	R5-130731	0408	-	Addition of applicability statement for new MDT test case	11.1.0	11.2.0
2013-03	RAN#59	R5-130736	0409	-	Applicability of new test cases for event A5 measurement report	11.1.0	11.2.0
2013-03	RAN#59	R5-130737	0414	-	Correction to applicability of Rel9 EUTRA PWS test cases	11.1.0	11.2.0
2013-03	RAN#59	R5-130744	0410	-	Correction of applicability for EUTRA-1xRTT test case 8.4.7.3 and 8.4.7.4	11.1.0	11.2.0
2013-03	RAN#59	R5-130745	0411	-	GCF Priority X-Correction to applicability of TC 8.1.3.11 and 8.1.3.12	11.1.0	11.2.0
2013-03	RAN#59	R5-130749	0412	-	Add capabilities for CSFB and IMS devices	11.1.0	11.2.0
2013-03	RAN#59	R5-130766	0413	-	Addition of applicability for new Inter-Rat test case for Event B1 measurement	11.1.0	11.2.0
2013-03	RAN#59	-	-	-	history box error fix	11.2.0	11.2.1
2013-03	RAN#59	-	-	-	Substitution in C164 of 'yyy' with '72' depending on the Table A.4.4-1: Additional information of R5-130668.	11.2.1	11.2.2
2013-06	GERAN#58	GP-130372	0415	-	Removal of TC 6.2.3.22 from applicability table	11.2.2	11.3.0
2013-06	RAN#60	R5-131144	0416	-	ICS Correction to Idle Mode TC6.3.10	11.2.2	11.3.0
2013-06	RAN#60	R5-131219	0417	-	GCF Priority 4 - Correction to applicability criteria for EUTRA Test case 6.2.1.4	11.2.2	11.3.0
2013-06	RAN#60	R5-131246	0418	-	Addition of new CA Band and CA Band Combination for supported CA configurations for signalling test	11.2.2	11.3.0
2013-06	RAN#60	R5-131321	0419	-	Addition of new PICS pc_KeepEpsBearerParametersAfterNormalDetach	11.2.2	11.3.0
2013-06	RAN#60	R5-131388	0420	-	Applicability for new TC 8.3.4.5 Inter-frequency E-UTRAN FDD - FDD / CSG Proximity Indication	11.2.2	11.3.0
2013-06	RAN#60	R5-131451	0421	-	Addition of CA physical layer implementation capabilities for CA_1-19 and CA_1-21	11.2.2	11.3.0
2013-06	RAN#60	R5-131455	0422	-	Update pics for CSFB and IMS devices	11.2.2	11.3.0
2013-06	RAN#60	R5-131493	0423	-	Update pics pc_CS	11.2.2	11.3.0
2013-06	RAN#60	R5-131495	0424	-	GCF Priority X - Correction to applicability of RSRQ TC 6.2.3.1a	11.2.2	11.3.0
2013-06	RAN#60	R5-131497	0425	-	GCF Priority X - Correction to applicability of test case 13.1.2a	11.2.2	11.3.0
2013-06	RAN#60	R5-131499	0426	-	GCF Priority X - Correction to applicability of test case 8.1.3.6a	11.2.2	11.3.0
2013-06	RAN#60	R5-131690	0427	-	Addition of Inter-Band CA configurations for CA_2-17 and CA_4-17	11.2.2	11.3.0

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2013-06	RAN#60	R5-131714	0428	-	Addition of operating band 29 to TS 36.523-2	11.2.2	11.3.0
2013-06	RAN#60	R5-131715	0429	-	Addition of PICS items for Rel-10 UE category 6-8	11.2.2	11.3.0
2013-06	RAN#60	R5-131862	0430	-	Applicability of new test cases for setting the FGI 28.	11.2.2	11.3.0
2013-06	RAN#60	R5-131863	0431	-	GCF Priority 2: Changing the TC 9.1.4.2 title	11.2.2	11.3.0
2013-06	RAN#60	R5-131864	0432	-	Splitting TC 11.2.8 in two TCs one for UTRA/GERAN and one for 1xRTT - Applicability	11.2.2	11.3.0
2013-06	RAN#60	R5-131867	0433	-	Correction of applicable minimum releases for UTRA and GERAN in Inter-RAT test cases	11.2.2	11.3.0
2013-06	RAN#60	R5-131869	0434	-	Update of Applicability of test case 8.3.3.5	11.2.2	11.3.0
2013-06	RAN#60	R5-131893	0435	-	Adding applicability for new NIMTC test cases	11.2.2	11.3.0
2013-06	RAN#60	R5-131896	0436	-	Applicability for new test cases of TDD Special subframe configuration	11.2.2	11.3.0
2013-06	RAN#60	R5-132016	0437	-	Update of FGI tables in TS 36.523-2	11.2.2	11.3.0
2013-06	RAN#60	R5-132023	0438	-	Applicability of New Carrier Aggregation test case	11.2.2	11.3.0
2013-06	RAN#60	R5-132026	0439	-	Update of applicability for NIMTC test cases	11.2.2	11.3.0
2013-06	RAN#60	R5-132040	0440	-	Modification of pc_SMS_SGs PICS dependencies	11.2.2	11.3.0
2013-06	RAN#60	R5-132055	0441	-	Applicability of new test cases for eMDT	11.2.2	11.3.0
2013-09	RAN#61	R5-133111	0443	-	Addition of CA physical layer implementation capabilities for CA_3-8	11.3.0	11.4.0
2013-09	RAN#61	R5-133229	0445	-	Update of Applicability Conditions for CA test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133294	0446	-	Addition of Inter-Band CA configurations for CA_1-18 and CA_11-18	11.3.0	11.4.0
2013-09	RAN#61	R5-133307	0447	-	Addition of Band 31 to 36.523-2	11.3.0	11.4.0
2013-09	RAN#61	R5-133353	0448	-	Addition of applicability for new eICIC test case 8.3.1.21	11.3.0	11.4.0
2013-09	RAN#61	R5-133413	0449	-	Addition of applicability of new test cases for eMDT	11.3.0	11.4.0
2013-09	RAN#61	R5-133450	0450	-	Addition and modification of CA Band for supported CA configurations for signalling test in 36.523-2	11.3.0	11.4.0
2013-09	RAN#61	R5-133458	0451	-	Add applicability for E-UTRA VoLTE test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133607	0452	-	Update Applicability for ZUC test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133608	0453	-	Execution of TCs when UE supports a single E-UTRA band	11.3.0	11.4.0
2013-09	RAN#61	R5-133609	0454	-	Updating specific condition for setting the FGI 28.	11.3.0	11.4.0
2013-09	RAN#61	R5-133625	0455	-	Correction of CA test case entries in applicability table	11.3.0	11.4.0
2013-09	RAN#61	R5-133626	0456	-	Addition of UE capability information Bandwidth Combination Set for Carrier Aggregation in ICS proforma tables	11.3.0	11.4.0
2013-09	RAN#61	R5-133627	0457	-	Addition of CA physical layer implementation capabilities for CA_3-5	11.3.0	11.4.0
2013-09	RAN#61	R5-133649	0458	-	Update of title of test case 8.3.1.20	11.3.0	11.4.0
2013-09	RAN#61	R5-133678	0459	-	Applicability for new power preference indication test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133681	0460	-	Applicability for new ePDCCH related test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133697	0461	-	Define new test applicability for MFBI signalling test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133698	0462	-	Execution of TCs when UE supports multiple modes of configuration	11.3.0	11.4.0
2013-09	RAN#61	R5-133701	0463	-	Update of Applicability for LTE TC 6.2.1.1	11.3.0	11.4.0
2013-09	RAN#61	R5-133702	0464	-	Applicability of new eMBMS service continuity test cases	11.3.0	11.4.0
2013-09	RAN#61	R5-133731	0444	-	Applicability of new eICIC test case 8.3.1.27	11.3.0	11.4.0