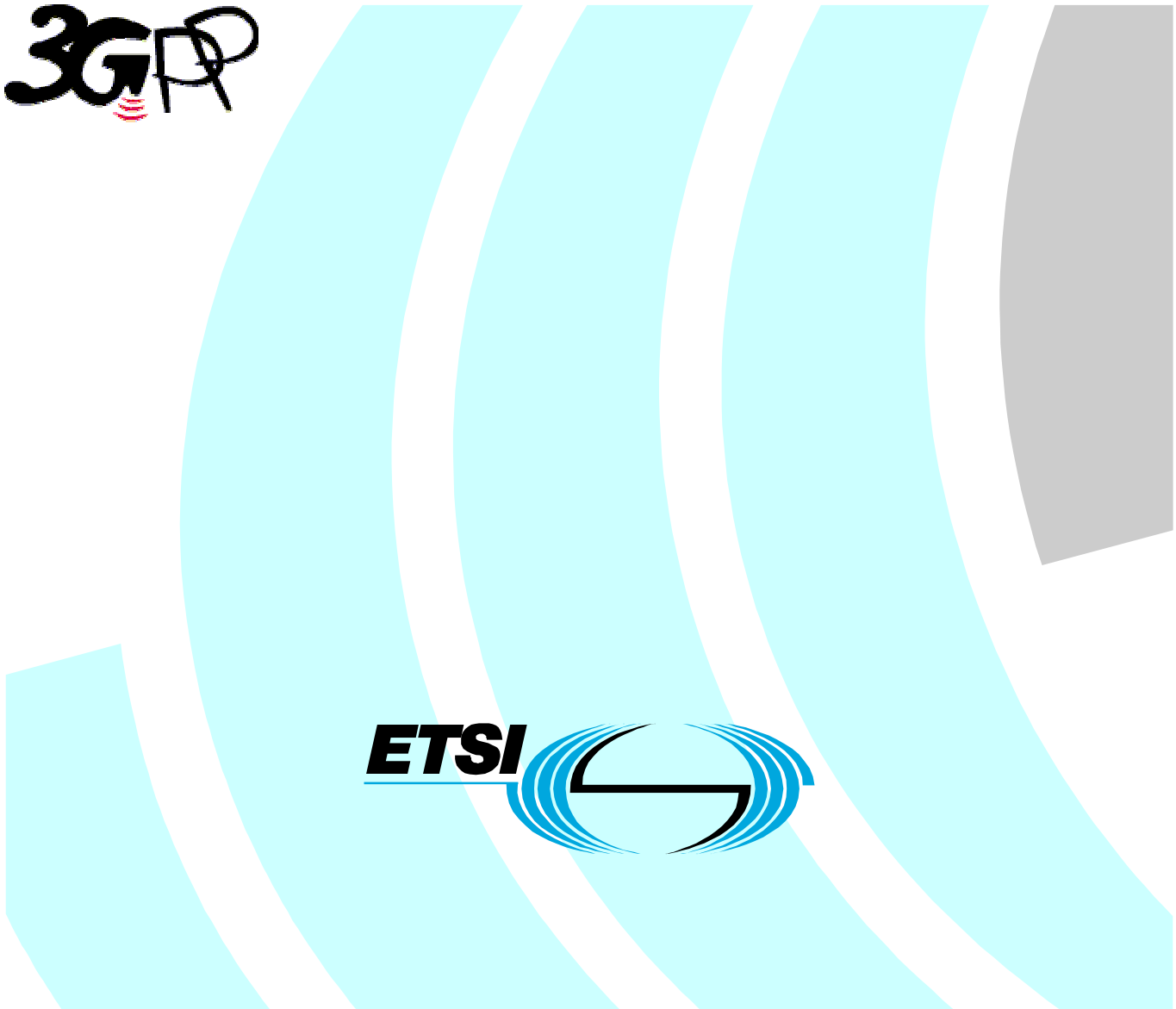
ETSI TS 134 123-2 V4.1.0 (2001-12)

Technical Specification

**Universal Mobile Telecommunications System (UMTS);
User Equipment (UE) conformance specification;
Part 2: Implementation Conformance Statement (ICS)
proforma specification
(3GPP TS 34.123-2 version 4.1.0 Release 4)**



Reference
RTS/TSGT-0134123-2Uv4R1

Keywords
UMTS

ETSI

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Foreword

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Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for 3rd Generation User Equipment (UE), in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [2] and ETS 300 406 [3].

The present document also specifies a recommended applicability statement for the test cases included in TS 34.123-1. These applicability statements are based on the features implemented in the UE.

Special conformance testing functions can be found in 3GPP TS 34.109 [45] and the common test environments are included in 3GPP TS 34.108 [44].

The present document is valid for UE implemented according to 3GPP Release 1999 or 3GPP Release 4.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.
  - For a Release 1999 UE, references to 3GPP documents are to version 3.x.y, when available.
  - For a Release 4 UE, references to 3GPP documents are to version 4.x.y, when available.

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

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

[3] ETSI ETS 300 406 (1995): "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

[4] 3GPP TR 21.904: "UE capability requirements".

[5] 3GPP TS 22.002: "Circuit Bearer Services (BS) supported by Public Land Mobile Network (PLMN)".

[6] 3GPP TS 22.003: "Circuit Teleservices supported by a Public Land Mobile Network (PLMN)".

[7] 3GPP TS 22.004: "General on Supplementary Services".

[8] 3GPP TS 22.042: "Network Identity and Timezone (NITZ); Service description, Stage 1".

[9] 3GPP TS 22.057: "Mobile Station Application Execution Environment (MExE); Service description, Stage 1".

[10] 3GPP TS 22.060: "General Packet Radio Service (GPRS); Service description, Stage 1".

[11] 3GPP TS 22.067: "enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 1".

[12] 3GPP TS 22.071: "Location Services (LCS); Service description, Stage 1".

[13] 3GPP TS 22.072: "Call Deflection Service description - Stage 1".

[14] 3GPP TS 22.081: "Line identification Supplementary Services; Stage 1".

[15] 3GPP TS 22.082: "Call Forwarding (CF) supplementary services - Stage 1".

[16] 3GPP TS 22.083: "Call Waiting (CW) and Call Holding (HOLD); Supplementary Services - Stage 1".

[17] 3GPP TS 22.084: "MultiParty (MPTY) Supplementary Services - Stage 1".

[18] 3GPP TS 22.085: "Closed User Group (CUG) Supplementary Services - Stage 1".

[19] 3GPP TS 22.086: "Advice of Charge (AoC) Supplementary Services - Stage 1".

[20] 3GPP TS 22.087: "User-to-User signalling (UUS); Service description - Stage 1".

[21] 3GPP TS 22.088: "Call Barring (CB) Supplementary Services - Stage 1".

[22] 3GPP TS 22.090: "Unstructured Supplementary Service Data (USSD) - Stage 1".

[23] 3GPP TS 22.091: "Explicit Call Transfer (ECT)".

[24] 3GPP TS 22.093: "Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1".

[25] 3GPP TS 22.094: "Follow Me Service description; Stage 1".

[26] 3GPP TS 22.096: "Name identification supplementary services; Stage 1".

[27] 3GPP TS 22.097: "Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1".

[28] 3GPP TS 22.105: "Services and Service Capabilities".

[29] 3GPP TS 24.008: "Mobile radio interface Layer 3 specification; Core Network Protocols - Stage 3".

[30] 3GPP TS 22.135: "Multicall; Service description; Stage 1".

[31] 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".

[32] 3GPP TS 25.201: "Physical layer - General Description".

[33] 3GPP TS 25.101: "UE radio Transmission and Reception (FDD)".

[34] 3GPP TS 25.102: "UTRA (UE) TDD; Radio Transmission and Reception".

[34a] 3GPP TS 25.306: "UE Radio Access Capabilities".

[35] 3GPP TS 25.321: "Medium Access Control (MAC) protocol specification".

[36] 3GPP TS 25.322: "Radio Link Control (RLC) protocol specification".

[37] 3GPP TS 25.323: "Packet Data Convergence Protocol (PDCP) specification".

[38] 3GPP TS 25.324: "Broadcast/Multicast Control BMC".

[39] 3GPP TS 25.331: "Radio Ressource Control (RRC) protocol specification".

[40] Void

[41] 3GPP TS 26.071: "Mandatory Speech Codec speech processing functions - AMR Speech Codec - General Description".

[42] 3GPP TS 26.111: "Codec for circuit switched multimedia telephony service; Modifications to H.324"

[43] 3GPP TS 31.111: "USIM Application Toolkit (USAT)".

[44] 3GPP TS 34.108: "Common Test Environments for User Equipment (UE) Conformance Testing".

[45] 3GPP TS 34.109: "Terminal logical test interface; Special conformance testing functions".

[46] 3GPP TS 34.121: "Terminal Conformance Specification, Radio transmission and reception (FDD)".

[47] 3GPP TS 34.122: "Terminal Conformance Specification, Radio Transmission and Reception (TDD)".

[48] 3GPP TS 34.124: "ElectroMagnetic Compatibility (EMC) for Mobile terminals and ancillary equipment".

[49] 3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".

[50] 3GPP TS 34.123-3: "User Equipment (UE) conformance specification; Part 3: Abstract Test Suites".

[51] 3GPP TS 22.001: " Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)".

3 Definitions and abbreviations

3.1 Definitions

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

- terms defined in the relevant 3GPP core specifications (see normative references);
- terms defined in ISO/IEC 9646-1 [1] and in ISO/IEC 9646-7 [2].

In particular, the following terms defined in ISO/IEC 9646-1 [1] apply:

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented
The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

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

3.2 Abbreviations

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

ICS	Implementation Conformance Statement
SCS	System Conformance Statement
UEUT	User Equipment Under Test

4 Recommended test case applicability

The applicability of each individual test is identified in the table 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.

The columns in table 1 have the following meaning:

Clause

The clause column indicates the clause number in TS 34.123-1 that contains the test body.

Title

The title column describes the name of the test.

Release

The release column indicates the earliest release from which each testcase is applicable, except if otherwise stated of an individual test case.

Applicability

The following notations are used for the applicability column:

R	recommended - the test case is recommended
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.

Comments

This column contains a verbal description of the condition included in the applicability column.

Table 1: Applicability of tests

Clause	Title	Release	Applicability	Comments
IDLE MODE				
6.1.1.1	PLMN selection of RPLMN, HPLMN, UPLMN and OPLMN; Manual mode	R99	C104	UEs supporting FDD and PLMN selection
			C209	UEs supporting TDD and PLMN selection
6.1.1.2	PLMN selection of "Other PLMN / access technology combinations"; Manual mode	R99	C104	UEs supporting FDD and PLMN selection
			C209	UEs supporting TDD and PLMN selection
6.1.1.3	PLMN selection; independence of RF level and preferred PLMN; Manual mode	R99	C104	UEs supporting FDD and PLMN selection
			C209	UEs supporting TDD and PLMN selection
6.1.1.4	PLMN selection of RPLMN, HPLMN, UPLMN and OPLMN; Automatic mode	R99	C104	UEs supporting FDD and PLMN selection
			C209	UEs supporting TDD and PLMN selection
6.1.1.5	PLMN selection of "Other PLMN / access technology combinations"; Automatic mode	R99	C104	UEs supporting FDD and PLMN selection
			C209	UEs supporting TDD and PLMN selection
6.1.1.6	UE will transmit only if PLMN available	R99	C106	UEs supporting FDD and speech and emergency speech call
			C210	UEs supporting TDD and speech and emergency speech call
6.1.2.1	Cell reselection	R99	C01	UEs supporting FDD
			C02	UEs supporting TDD
6.1.2.2	Cell reselection using Qhyst, Qoffset and Treselection	R99	C01	UEs supporting FDD
			C02	UEs supporting TDD
6.1.2.3	HCS cell reselection	R99	C01	UEs supporting FDD
			C02	UEs supporting TDD
6.1.2.4	HCS cell reselection using reselection timing parameters for the H criterion	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD
6.1.2.5	HCS Cell reselection using reselection timing	R99	C01	UEs supporting FDD

Clause	Title	Release	Applicability	Comments
	parameters for the R criterion		C02	UEs supporting TDD
6.1.2.6	Emergency calls	R99	C04	UEs supporting FDD and emergency speech call
			C208	UEs supporting TDD and emergency speech call
6.1.2.7	Emergency calls; Intra-frequency cell "Not allowed"	R99	C106	UEs supporting FDD and speech and emergency speech call
			C210	UEs supporting TDD and speech and emergency speech call
6.2.1.1	Selection of the correct PLMN and associated RAT	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.2	Selection of RAT for HPLMN; Manual mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.3	Selection of RAT for UPLMN; Manual mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.4	Selection of RAT for OPLMN; Manual mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.5	Selection of "Other PLMN / access technology combinations"; Manual mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.6	Selection of RAT for HPLMN; Automatic mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.7	Selection of RAT for UPLMN; Automatic mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.8	Selection of RAT for OPLMN; Automatic mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.1.9	Selection of "Other PLMN / access technology combinations"; Automatic mode	R99	C105	UEs supporting FDD and GSM and PLMN selection
			C50	UEs supporting TDD and GSM and PLMN selection
6.2.2.1	Cell reselection if cell becomes barred or S<0; UTRAN to GSM	R99	C05	UEs supporting FDD and GSM
			C56	UEs supporting TDD and GSM
6.2.2.2	Cell reselection if cell becomes barred or C1<0; GSM to; UTRAN	R99	C05	UEs supporting FDD and GSM
			C56	UEs supporting TDD and GSM
6.2.2.3	Cell reselection timings; GSM to UTRAN	R99	C05	UEs supporting FDD and GSM
			C56	UEs supporting TDD and GSM
LAYER 2				
7.1.1	Permission to access the network	R99	[FFS]	All UEs [FFS]
7.1.2.1.1	Selection and control of Power Level (FDD)	R99	C01	UEs supporting FDD
7.1.2.1.2	Selection and control of Power Level (3.84 Mcps TDD option)	R99	[FFS]	[FFS]
7.1.2.1.3	Selection and control of Power Level (1.28 Mcps TDD option)	Rel-4	C03	UEs supporting 1.28 Mcps TDD (LCR TDD)
7.1.2.2.1	Correct application of Dynamic Persistence (FDD)	R99	C01	UEs supporting FDD
7.1.2.2.2	Correct application of Dynamic Persistence (3.84 TDD Mcps option)	R99	[FFS]	[FFS]
7.1.2.2.3	Correct application of Dynamic Persistence (1.28 TDD Mcps option)	R99	C03	UEs supporting 1.28 Mcps TDD (LCR TDD)
7.1.2.3.1	Correct Selection of RACH parameters (FDD)	R99	C01	UEs supporting FDD
7.1.2.3.2	Correct Selection of RACH parameters (3.84 Mcps TDD option)	R99	[FFS]	[FFS]
7.1.2.3.3	Correct Selection of RACH parameters (1.28 Mcps TDD option)	Rel-4	C01	UEs supporting 1.28 Mcps TDD (LCR TDD)
7.1.2.4	Correct Detection and Response to FPACH (1.28 Mcps TDD option)	Rel-4	C03	UEs supporting 1.28 Mcps TDD option (LCR TDD)
7.1.3	Dynamic Radio Bearer Control	R99	[FFS]	[FFS]

Clause	Title	Release	Applicability	Comments
7.1.4	RACH/FACH transmission and retransmission	R99	[FFS]	[FFS]
7.1.5	MAC Access Control Function	R99	[FFS]	[FFS]
7.1.7	Inband identification of UE on DSCH	R99	[FFS]	[FFS]
7.1.8	Mapping between logical channels and transport channels	R99		
7.1.8.1	CCCH mapped to RACH/FACH / Invalid TCTF	R99	R	All UEs
7.1.8.2	DTCH or DCCH mapped to RACH/FACH / Invalid TCTF	R99	R	All UEs
7.1.8.3	DTCH or DCCH mapped to RACH/FACH / Invalid C/T Field	R99	R	All UEs
7.1.8.4	DTCH or DCCH mapped to RACH/FACH / Invalid UE ID Type Field	R99	R	All UEs
7.1.8.5	DTCH or DCCH mapped to RACH/FACH / Incorrect UE ID	R99	R	All UEs
7.1.8.6	DTCH or DCCH mapped to DSCH or USCH	R99	[FFS]	UEs supporting DSCH and/or USCH
7.1.8.7	DTCH or DCCH mapped to CPCH	R99	[FFS]	UEs supporting CPCH
7.1.8.8	DTCH or DCCH mapped to DCH / Invalid C/T Field	R99	R	All Ues
7.1.9.1	Selection of Transport Format depending on instantaneous source rate	R99	[FFS]	[FFS]
7.1.10.1	Priority handling between data flows of one UE	R99	[FFS]	[FFS]
7.1.11.1	Ciphering	R99	[FFS]	[FFS]
7.1.12.1	Access Service class selection for RACH transmission	R99	[FFS]	[FFS]
7.1.12.2	Control of RACH transmissions for FDD mode	R99	[FFS]	[FFS]
7.1.13.1	Control of CPCH transmissions for FDD	R99	[FFS]	UEs supporting CPCH
7.2.1.1	RLC testing / Transparent mode / Segmentation and reassembly	R99	R	All UEs
7.2.2.2	UM RLC / Segmentation and reassembly / Selection of 7 or 15 bit Length Indicators	R99	R	All UEs
7.2.2.3	UM RLC / Segmentation / 7-bit Length Indicators / Padding	R99	R	All UEs
7.2.2.4	UM RLC / Segmentation / 7-bit Length Indicators / LI = 0	R99	R	All UEs
7.2.2.5	UM RLC / Segmentation / 7-bit Length Indicators / Invalid LI value	R99	R	All UEs
7.2.2.6	UM RLC / Segmentation / 7-bit Length Indicators / LI value > PDU	R99	R	All UEs
7.2.2.7	UM RLC / Segmentation / 7-bit Length Indicators / First data octet LI	R99	R	All UEs
7.2.2.8	UM RLC / Segmentation / 15-bit Length Indicators / Padding	R99	R	All UEs
7.2.2.9	UM RLC / Segmentation / 15-bit Length Indicators / LI = 0	R99	R	All UEs
7.2.2.10	UM RLC / Segmentation / 15-bit Length Indicators / One octet short LI	R99	R	All UEs
7.2.2.11	UM RLC / Segmentation / 15-bit Length Indicators / Invalid LI value	R99	R	All UEs
7.2.2.12	UM RLC / Segmentation / 15-bit Length Indicators / LI value > PDU size	R99	R	All UEs
7.2.2.13	UM RLC / Segmentation / 15-bit Length Indicators / First data octet LI	R99	R	All UEs
7.2.3.2	AM RLC / Segmentation and reassembly / Selection of 7 or 15 bit Length Indicators	R99	R	All UEs
7.2.3.3	AM RLC / Segmentation / 7-bit Length Indicators / Padding	R99	R	All UEs
7.2.3.4	AM RLC / Segmentation / 7-bit Length Indicators / LI = 0	R99	R	All UEs
7.2.3.5	AM RLC / Segmentation / 7-bit Length Indicators / Reserved LI value	R99	R	All UEs
7.2.3.6	AM RLC / Segmentation / 7-bit Length Indicators / LI value > PDU	R99	R	All UEs
7.2.3.7	AM RLC / Segmentation / 15-bit Length Indicators / Padding or Piggy-backed Status	R99	R	All UEs
7.2.3.8	AM RLC / Segmentation / 15-bit Length Indicators / LI = 0	R99	R	All UEs
7.2.3.9	AM RLC / Segmentation / 15-bit Length Indicators / One octet short LI	R99	R	All UEs

Clause	Title	Release	Applicability	Comments
7.2.3.10	AM RLC / Segmentation / 15-bit Length Indicators / Reserved LI value	R99	R	All UEs
7.2.3.11	AM RLC / Segmentation / 15-bit Length Indicators / LI value > PDU size	R99	R	All UEs
7.2.3.12	AM RLC / Correct use of Sequence Numbering	R99	R	All UEs
7.2.3.13	AM RLC / Control of Transmit Window	R99	R	All UEs
7.2.3.14	AM RLC / Control of Receive Window	R99	R	All UEs
7.2.3.15	AM RLC / Polling for status / Last PU in transmission queue	R99	R	All UEs
7.2.3.16	AM RLC / Polling for status / Last PU in retransmission queue	R99	R	All UEs
7.2.3.17	AM RLC / Polling for status / Poll every Poll_PU PUs	R99	R	All UEs
7.2.3.18	AM RLC / Polling for status / Poll every Poll_SDU SDUs	R99	R	All UEs
7.2.3.19	AM RLC / Polling for status / Timer triggered polling (Timer_Poll_Periodic)	R99	R	All UEs
7.2.3.20	AM RLC / Polling for status / Polling on Poll_Window% of transmission window	R99	R	All UEs
7.2.3.21	AM RLC / Polling for status / Operation of Timer_Poll timer / Timer expiry	R99	R	All UEs
7.2.3.22	AM RLC / Polling for status / Operation of Timer_Poll timer / Stopping Timer_Poll timer	R99	R	All UEs
7.2.3.23	AM RLC / Polling for status / Operation of Timer_Poll timer / Restart of the Timer_Poll timer	R99	R	All UEs
7.2.3.24	AM RLC / Polling for status / Operation of timer Timer_Poll_Prohibit	R99	R	All UEs
7.2.3.25	AM RLC / Receiver Status Triggers / Detection of missing PUs	R99	R	All UEs
7.2.3.26	AM RLC / Receiver Status Triggers / Operation of timer Timer_Status_Periodic	R99	R	All UEs
7.2.3.27	AM RLC / Receiver Status Triggers / Operation of timer Timer_Status_Prohibit	R99	R	All UEs
7.2.3.28	AM RLC / Status reporting / Abnormal conditions / Reception of LIST SUFI with Length set to zero	R99	R	All UEs
7.2.3.29	AM RLC / Timer based discard, with explicit signalling / Expiry of Timer_Discard	R99	R	All UEs
7.2.3.29a	AM RLC / Timer based discard, with explicit signalling / Expiry of Timer_Discard when Timer_STATUS_prohibit is active	R99	R	All UEs
7.2.3.30	AM RLC / Timer based discard, with explicit signalling / Obsolete MRW_ACK	R99	R	All UEs
7.2.3.31	AM RLC / Timer based discard, with explicit signalling / Failure of MRW procedure	R99	R	All UEs
7.2.3.32	AM RLC / SDU discard after MaxDAT number of retransmissions	R99	R	All UEs
7.2.3.33	AM RLC / Operation of the RLC Reset procedure / UE Originated	R99	R	All UEs
7.2.3.34	AM RLC / Operation of the RLC Reset procedure / UE Terminated	R99	R	All UEs
7.3.2.1.1	IP Header Compression and PID assignment / UE in RLC AM / Transmission of uncompressed Header	R99	C12	UE supporting PS
7.3.2.1.2	IP Header Compression and PID assignment / UE in RLC AM / Transmission of compressed Header	R99	C213	UE supporting PS and IP Header Compression protocol IETF RFC 2507
7.3.2.2.1	IP Header Compression and PID assignment / UE in RLC UM / Transmission of uncompressed Header	R99	C12	UE supporting PS

Clause	Title	Release	Applicability	Comments
7.3.2.2.2	IP Header Compression and PID assignment / UE in RLC UM / Transmission of compressed Header	R99	C213	UE supporting PS and IP Header Compression protocol IETF RFC 2507
7.3.2.2.3	IP Header Compression and PID assignment / UE in RLC UM / Extension of used compression methods	R99	C213	UE supporting PS and IP Header Compression protocol IETF RFC 2507
7.3.2.2.4	IP Header Compression and PID assignment / UE in RLC UM / Compression type used for different entities	R99	C214	UE supporting PS, IP Header Compression protocol IETF RFC 2507 and establishment of more than one PDCP entities supporting two radio bearer RLC AM and RLC UM as defined in this test case
7.3.2.2.5	IP Header Compression and PID assignment / UE in RLC UM / Reception of not defined PID values	R99	C213	UE supporting PS and IP Header Compression protocol IETF RFC 2507
7.3.3.1	PDCP sequence numbering when lossless SRNS Relocation / Data transmission if lossless SRNS Relocation is supported	R99	C215	UE supporting PS, IP Header Compression protocol IETF RFC 2507 and lossless SRNS relocation
7.3.3.2	PDCP sequence numbering when lossless SRNS Relocation / Synchronisation of PDCP sequence numbers	R99	C215	UE supporting PS, IP Header Compression protocol IETF RFC 2507 and lossless SRNS relocation
7.4.2.1	General BMC message reception / UE in Idle mode	R99	C216	UE supporting PS, BMC and CBS
7.4.2.2	General BMC message reception / UE in RRC connected mode, state CELL_PCH	R99	C216	UE supporting PS, BMC and CBS
7.4.2.3	General BMC message reception / UE in RRC connected mode, state URA_PCH	R99	C216	UE supporting PS, BMC and CBS
7.4.2.4	General BMC message reception / UE in Idle mode (ANSI-41 CB data)	R99	C217	UE supporting PS, BMC and ANSI-41 CB data
7.4.2.5	General BMC message reception / UE in RRC connected mode, state CELL_PCH (ANSI-41 CB data)	R99	C217	UE supporting PS, BMC and ANSI-41 CB data
7.4.2.6	General BMC message reception / UE in RRC connected mode, state URA_PCH (ANSI-41 CB data)	R99	C217	UE supporting PS, BMC and ANSI-41 CB data
7.4.3.1	Reception of certain CBS message types	R99	C218	UE supporting PS, BMC, CBS and BMC DRX Scheduling
RADIO RESOURCE CONTROL				
8.1.1.1	RRC / Paging for Connection in idle mode	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.1.2	RRC / Paging for Connection in connected mode (CELL_PCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.1.3	RRC / Paging for Connection in connected mode (URA_PCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.1.4	RRC / Paging for Notification in idle mode	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.1.5	RRC / Paging for Notification in connected mode (CELL_PCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.1.6	RRC / Paging for Notification in connected mode (URA_PCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.1.7	RRC / Paging for Connection in connected mode (CELL_DCH)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.1.8	RRC / Paging for Connection in connected mode (CELL_FACH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.2.1	RRC / RRC Connection Establishment in CELL_DCH state: Success	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.2.2	RRC / RRC Connection Establishment: Success after T300 timeout	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.2.3	RRC / RRC Connection Establishment: Failure (V300 is greater than N300)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.2.4	RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.

Clause	Title	Release	Applicability	Comments
8.1.2.5	RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0 and V300 is greater than N300)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.2.6	RRC / RRC Connection Establishment: Reject ("wait time" is set to 0)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.2.7	RRC / RRC Connection Establishment in CELL_FACH state: Success	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.2.8	Void			
8.1.2.9	RRC / RRC Connection Establishment: Success after Physical channel failure and Invalid configuration	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.3.1	RRC / RRC Connection Release in CELL_DCH state: Successful	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.3.2	RRC / RRC Connection Release using on DCCH in CELL_FACH state: Successful	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.3.3	RRC / RRC Connection Release using on CCCH in CELL_FACH state: Failure	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.3.4	RRC / RRC Connection Release in CELL_FACH state: Failure	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.3.5	RRC / RRC Connection Release in CELL_FACH state: Invalid message	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.5.1	RRC / UE Capability in CELL_DCH state: Success	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.5.2	RRC / UE Capability in CELL_DCH state: Success after T304 timeout	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.5.3	RRC / UE Capability in CELL_DCH state: Failure (After N304 re-transmissions)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.5.4	RRC / UE Capability in CELL_FACH state: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.5.5	RRC / UE Capability in CELL_FACH state: Success after T304 timeout	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.6.1	Direct Transfer in CELL_DCH state (invalid message reception and no signalling connection exists)	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.1.6.2	Direct Transfer in CELL_FACH state (invalid message reception and no signalling connection exists)	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C02	UEs supporting TDD.
8.1.7.1	RRC / Security mode control in CELL_DCH state	R99	C07	UEs supporting FDD and supporting UMTS Encryption Algorithm UEA1.
			C53	UEs supporting TDD and supporting UMTS Encryption Algorithm UEA1.
8.1.7.2	RRC / Security mode control in CELL_FACH state	R99	C42	UEs supporting FDD and supporting PS bearer service and supporting UMTS Encryption Algorithm UEA1.
			C54	UEs supporting TDD and supporting PS bearer service and supporting UMTS Encryption Algorithm UEA1.
8.1.8.1	RRC / Counter check in CELL_DCH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.8.2	RRC / Counter check in CELL_FACH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
			C52	UEs supporting TDD and supporting PS bearer service.
8.1.9	RRC / Signalling Connection Release Request	R99	C01	UEs supporting FDD.
			C02	UEs supporting TDD.
8.2.1.1	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success	R99	C01	UEs supporting FDD.
8.2.1.2	Void			
8.2.1.3	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Unsupported configuration)	R99	C01	UEs supporting FDD.

Clause	Title	Release	Applicability	Comments
8.2.1.4	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Physical channel Failure and successful reversion to old configuration)	R99	C01	UEs supporting FDD.
8.2.1.5	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Physical channel Failure and reversion failure)	R99	C01	UEs supporting FDD.
8.2.1.6	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Incompatible simultaneous configuration)	R99	C01	UEs supporting FDD.
8.2.1.7	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Invalid message reception and invalid configuration)	R99	C01	UEs supporting FDD.
8.2.1.8	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.9	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH: Success (Cell re-selection)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.10	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.11	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.12	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Physical channel Failure and successful reversion to old configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.13	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Physical channel Failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.14	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.15	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Invalid message reception and invalid configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.16	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.17	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Subsequently received)	R99	C01	UEs supporting FDD and supporting PS bearer service.
8.2.1.18	RRC / Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success (Subsequently received)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.19	RRC / Radio Bearer Establishment from CELL_DCH to CELL_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.1.20	RRC / Radio Bearer Establishment from CELL_DCH to URA_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.1	RRC / Radio Bearer Reconfiguration (Hard Handover) from CELL_DCH to CELL_DCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.2	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.3	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.4	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.5	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.

Clause	Title	Release	Applicability	Comments
8.2.2.6	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.2.7	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Suspension of signalling bearer)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.2.8	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.9	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_FACH: Success (Physical channel failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.10	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.11	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.12	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.13	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.14	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.15	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.16	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Suspension of signalling bearer)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.17	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.18	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_FACH: Success (Physical channel failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.19	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Subsequently received)	R99	C01	UEs supporting FDD and supporting PS bearer service.
8.2.2.20	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Success (Subsequently received)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.21	RRC / Radio Bearer Reconfiguration from CELL_DCH to CELL_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.22	RRC / Radio Bearer Reconfiguration from CELL_DCH to URA_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.23	RRC / Radio Bearer Reconfiguration from CELL_FACH to CELL_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.2.24	RRC / Radio Bearer Reconfiguration from CELL_FACH to URA_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.1	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success	R99	C01	UEs supporting FDD.
8.2.3.2	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Failure (Unsupported configuration)	R99	C01	UEs supporting FDD.
8.2.3.3	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	R99	C01	UEs supporting FDD.
8.2.3.4	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C01	UEs supporting FDD.
8.2.3.5	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.6	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Failure (Invalid message reception)	R99	C01	UEs supporting FDD.
8.2.3.7	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.8	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_FACH: Success (Physical channel failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.

Clause	Title	Release	Applicability	Comments
8.2.3.9	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.10	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.11	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.12	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.13	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.14	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.15	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.16	RRC / Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (Subsequently received)	R99	C01	UEs supporting FDD and supporting PS bearer service.
8.2.3.17	RRC / Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Success (Subsequently received)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.18	RRC / Radio Bearer Release from CELL_DCH to CELL_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.3.19	RRC / Radio Bearer Release from CELL_DCH to URA_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.1	RRC / Transport channel reconfiguration from CELL_DCH to CELL_DCH (Hard handover to intra-frequency): Success with no transport channel type switching	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.4.2	RRC / Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.4.3	RRC / Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.4.4	RRC / Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.4.5	RRC / Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.4.6	RRC / Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.4.7	RRC / Transport channel reconfiguration from CELL_DCH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.9	RRC / Transport channel reconfiguration from CELL_DCH to CELL_FACH: Success (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.10	RRC / Transport channel reconfiguration from CELL_FACH to CELL_DCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.11	RRC / Transport channel reconfiguration from CELL_FACH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.12	RRC / Transport channel reconfiguration from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion to old channel)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.13	RRC / Transport channel reconfiguration from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.14	RRC / Transport channel reconfiguration from CELL_FACH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.15	RRC / Transport channel reconfiguration from CELL_FACH to CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service.

Clause	Title	Release	Applicability	Comments
8.2.4.16	RRC / Transport channel reconfiguration from CELL_FACH to CELL_FACH: Success with no transport channel type switching	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.17	RRC / Transport channel reconfiguration from CELL_FACH to CELL_FACH: Success (Physical channel failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.18	RRC / Transport Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (Subsequently received)	R99	C01	UEs supporting FDD and supporting PS bearer service.
8.2.4.19	RRC / Transport Channel Reconfiguration from CELL_FACH to CELL_DCH: Success (Subsequently received)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.20	RRC / Transport channel Reconfiguration from CELL_DCH to CELL_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.21	RRC / Transport channel from CELL_DCH to URA_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.5.1	RRC / Transport format combination Control in CELL_DCH: restriction	R99	C01	UEs supporting FDD.
8.2.5.2	RRC / Transport format combination Control in CELL_DCH: release a restriction	R99	C01	UEs supporting FDD.
8.2.5.3	RRC / Transport format combination Control in CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.5.4	RRC / Transport format combination Control in CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.1	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Success	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.2	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.3	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Failure (Physical channel failure and reversion to old channel)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.4	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.5	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.6	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service..
8.2.6.7	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.8	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_FACH: Success (Physical channel failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.9	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.10	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Unsupported configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.11	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.12	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and reversion failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.

Clause	Title	Release	Applicability	Comments
8.2.6.13	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.14	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Invalid message reception)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.15	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_FACH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.16	RRC / Physical channel reconfiguration for transition from CELL_FACH to CELL_FACH: Failure (Physical channel failure)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.17	RRC / Physical Channel Reconfiguration from CELL_DCH to CELL_DCH (Hard Handover to another frequency): Success (Subsequently received)	R99	C01	UEs supporting FDD and supporting PS bearer service.
8.2.6.18	RRC / Physical Channel Reconfiguration from CELL_FACH to CELL_DCH: Success (Subsequently received)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.19	RRC / Physical channel from CELL_DCH to CELL_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.6.20	RRC / Physical channel from CELL_DCH to URA_PCH: Success	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.7	RRC / Physical Shared Channel Allocation [TDD only]	R99	[FFS]	Inclusion of this test cases if FFS
8.2.8	RRC / PUSCH capacity request [TDD only]	R99	[FFS]	Inclusion of this test cases if FFS
8.3.1.1	RRC / Cell Update: cell reselection in CELL_FACH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.2	RRC / Cell Update: cell reselection in CELL_PCH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.3	RRC / Cell Update: periodical cell update in CELL_FACH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.4	RRC / Cell Update: periodical cell update in CELL_PCH and multiple cell update causes	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.5	RRC / Cell Update: UL data transmission in URA_PCH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.6	RRC / Cell Update: UL data transmission in CELL_PCH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.7	RRC / Cell Update: paging response in URA_PCH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.8	RRC / Cell Update: paging response in CELL_PCH	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.9	RRC / Cell Update: re-entering of service area after T305 expiry and being out of service area	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.10	RRC / Cell Update: expiry of T307 after T305 expiry and being out of service area	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.11	RRC / Cell Update: Success after T302 time-out	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.12	RRC / Cell Update: Failure (After Maximum Re-transmissions)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.13	RRC / Cell Update: Reception of Invalid CELL UPDATE CONFIRM message	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.14	RRC / Cell Update: Incompatible simultaneous reconfiguration	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.15	RRC / Cell Update: Acknowledged Mode RLC Reset	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.16	RRC / Cell Update: cell reselection in CELL_FACH (in non-ciphering mode)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.17	RRC / Cell Update: Failure (UTRAN initiate an RRC connection release procedure on DCCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.18	RRC / Cell Update: Radio Link Failure (T314>0, T315=0)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.19	RRC / Cell Update: Unrecoverable error in RLC	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.1.20	RRC / Cell Update: Reception of CELL UPDATE CONFIRM Message that causes invalid configuration	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.1	RRC / URA Update: URA reselection	R99	C06	UEs supporting FDD and supporting PS bearer service.

Clause	Title	Release	Applicability	Comments
8.3.2.2	RRC / URA Update: Periodical URA update and Reception of Invalid message	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.3	RRC / URA Update: re-entering of service area after T306 expiry	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.4	RRC / URA Update: loss of service after expiry of timers T307 after T306	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.5	RRC / URA Update: Success after Confirmation error of URA-ID list	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.6	RRC / URA Update: Failure (V303 is greater than N303: Confirmation error of URA-ID list)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.7	RRC / URA Update: Success after T303 timeout	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.8	RRC / URA Update: Failure (V303 is greater than N303: T303 timeout)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.9	RRC / URA Update: Failure (UTRAN initiate an RRC connection release procedure on DCCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.2.10	RRC / URA Update: Reception of URA UPDATE CONFIRM message that causes invalid configuration and invalid URA UPDATE CONFIRM message	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.3.3.1	RRC / UTRAN Mobility Information: Success	R99	C01	UEs supporting FDD.
8.3.3.2	RRC / UTRAN Mobility Information: Failure (Invalid message reception and cell re-selection)	R99	C01	UEs supporting FDD.
8.3.4.1	RRC / Active set update in soft handover: Radio Link addition	R99	C01	UEs supporting FDD.
8.3.4.2	RRC / Active set update in soft handover: Radio Link removal	R99	C01	UEs supporting FDD.
8.3.4.3	RRC / Active set update in soft handover: Combined radio link addition and removal (active set is not full)	R99	C01	UEs supporting FDD.
8.3.4.4	RRC / Active set update in soft handover: Unsupported Configuration in the UE	R99	C01	UEs supporting FDD.
8.3.4.5	RRC / Active set update in soft handover: Combined radio link addition and removal (active set is full)	R99	C01	UEs supporting FDD.
8.3.4.7	RRC / Active set update in soft handover: Invalid Message Reception	R99	C01	UEs supporting FDD.
8.3.5.1	RRC / Hard Handover: success	R99	[FFS]	Inclusion of this test case is FFS
8.3.5.2	RRC / Hard Handover: Unsupported Configuration in the UE	R99	[FFS]	Inclusion of this test case is FFS
8.3.5.3	RRC / Hard Handover: Physical channel failure	R99	[FFS]	Inclusion of this test case is FFS
8.3.7.1	Inter system handover from UTRAN/To GSM/Speech/Success	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.2	Inter system handover from UTRAN/To GSM/Data/Same data rate/Success	R99	C97	UEs supporting FDD and GSM
8.3.7.3	Inter system handover from UTRAN/To GSM/Data/Data rate down grading/Success	R99	C97	UEs supporting FDD and GSM
8.3.7.4	Inter system handover from UTRAN/To GSM/Speech/Establishment/Success	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.5	Inter system handover from UTRAN/To GSM/Speech/Failure	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.6	Inter system handover from UTRAN/To GSM/Speech/Failure (L2 Establishment)	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.7	Inter system handover from UTRAN/To GSM/Speech/Failure (L1 Synchronization)	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.8	Inter system handover from UTRAN/To GSM/Speech/Failure (Invalid Inter-RAT message)	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.9	Inter system handover from UTRAN/To GSM/Speech/Failure (Unsupported configuration)	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.10	Inter system handover from UTRAN/To GSM/Speech/Failure (Reception by UE in CELL_FACH)	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.11	Inter system handover from UTRAN/To GSM/Speech/Failure (Invalid message reception)	R99	C95	UEs supporting FDD and GSM and supporting speech
8.3.7.12	Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure)	R99	C95	UEs supporting FDD and GSM and supporting speech

Clause	Title	Release	Applicability	Comments
8.3.8	RRC / Inter system cell reselection to UTRAN	R99	[FFS]	Inclusion of this test case is FFS
8.3.9	RRC / Inter system cell reselection from UTRAN	R99	[FFS]	Inclusion of this test case is FFS
8.4.1.1	RRC / Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL_DCH state	R99	C01	UEs supporting FDD.
8.4.1.2	RRC / Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_DCH state	R99	C01	UEs supporting FDD.
8.4.1.3	RRC / Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL_FACH state	R99	C01	UEs supporting FDD.
8.4.1.4	RRC / Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_FACH state	R99	C01	UEs supporting FDD.
8.4.1.5	RRC / Measurement Control and Report: Intra-frequency measurement for transition from CELL_DCH to CELL_FACH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.6	RRC / Measurement Control and Report: Inter- frequency measurement for transition from CELL_DCH to CELL_FACH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.7	RRC / Measurement Control and Report: Intra- frequency measurement for transition from CELL_FACH to CELL_DCH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.8	RRC / Measurement Control and Report: Inter- frequency measurement for transition from CELL_FACH to CELL_DCH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.9	RRC / Measurement Control and Report: Unsupported measurement in the UE	R99	C09	UEs supporting FDD and not supporting Inter-system measurement for GSM.
8.4.1.10	RRC / Measurement Control and Report: Failure (Invalid Message Reception)	R99	C01	UEs supporting FDD.
8.4.1.11	RRC / Measurement Control and Report: Compressed Mode Configuration Failure during radio bearer reconfiguration procedure	R99	C01	UEs supporting FDD
8.4.1.12	RRC / Measurement Control and Report: Compressed Mode Configuration Failure during transport channel reconfiguration procedure	R99	C01	UEs supporting FDD
8.4.1.13	RRC / Measurement Control and Report: Compressed Mode Configuration Failure during physical channel reconfiguration procedure	R99	C01	UEs supporting FDD
8.4.1.14	RRC / Measurement Control and Report: Cell forbidden to affect reporting range	R99	C01	UEs supporting FDD
8.4.1.15	RRC / Measurement Control and Report Incomplete	R99	C01	UEs supporting FDD
8.4.1.16	RRC / Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL_FACH state	R99	C01	UEs supporting FDD
8.4.1.17	RRC / Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL_DCH state	R99	C01	UEs supporting FDD
8.4.1.18	RRC / Measurement Control and Report: Traffic volume measurement for transition from CELL_FACH state to CELL_DCH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.19	RRC / Measurement Control and Report: Traffic volume measurement for transition from CELL_DCH to CELL_FACH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.20	RRC / Measurement Control and Report: Traffic volume measurement in CELL_PCH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.21	RRC / Measurement Control and Report: Traffic volume measurement in URA_PCH state	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.4.1.22	RRC / Measurement Control and Report: Quality measurements	R99	C01	UEs supporting FDD
MOBILITY MANAGEMENT				
9.1	TMSI reallocation	R99	C98	UEs supporting CS domain services
9.2.1	Authentication accepted	R99	C98	UEs supporting CS domain services
9.2.2	Authentication rejected	R99	C98	UEs supporting CS domain services
9.2.3	Authentication rejected by the UE (MAC code failure)	R99	C98	UEs supporting CS domain services

Clause	Title	Release	Applicability	Comments
9.2.4	Authentication rejected by the UE (SQN failure)	R99	C98	UEs supporting CS domain services
9.3.1	General Identification	R99	C98	UEs supporting CS domain services
9.3.2	Handling of IMSI shorter than the maximum length	R99	C98	UEs supporting CS domain services
9.4.1	Location updating / accepted	R99	C98	UEs supporting CS domain services
9.4.2.1	Location updating / rejected / IMSI invalid	R99	C98	UEs supporting CS domain services
9.4.2.2	Location updating / rejected / PLMN not allowed	R99	C98	UEs supporting CS domain services
9.4.2.3	Location updating / rejected / location area not allowed	R99	C98	UEs supporting CS domain services
9.4.2.4.1	Location updating / rejected / roaming not allowed in this location area / Procedure 1	R99	C98	UEs supporting CS domain services
9.4.2.4.2	Location updating / rejected / roaming not allowed in this location area / Procedure 2	R99	C98	UEs supporting CS domain services
9.4.2.4.3	Location updating / rejected / roaming not allowed in this location area / Procedure 3	R99	C98	UEs supporting CS domain services
9.4.2.4.4	Location updating / rejected / roaming not allowed in this location area / Procedure 4	R99	C98	UEs supporting CS domain services
9.4.2.4.5	Location updating / rejected / roaming not allowed in this location area / Procedure 5	R99	C99	UEs supporting CS domain services UEs supporting USIM removal
9.4.2.5	Location updating / rejected / No Suitable Cells In Location Area	R99	C98	UEs supporting CS domain services
9.4.3.2	Location updating / abnormal cases / attempt counter less or equal to 4, LAI different	R99	C98	UEs supporting CS domain services
9.4.3.3	Location updating / abnormal cases / attempt counter equal to 4	R99	C98	UEs supporting CS domain services
9.4.3.4	Location updating / abnormal cases / attempt counter less or equal to 4, stored LAI equal to broadcast LAI	R99	C98	UEs supporting CS domain services
9.4.4	Location updating / release / expiry of T3240	R99	C98	UEs supporting CS domain services
9.4.5.1	Location updating / periodic spread	R99	C98	UEs supporting CS domain services
9.4.5.2	Location updating / periodic normal / test 1	R99	C98	UEs supporting CS domain services
9.4.5.3	Location updating / periodic normal / test 2	R99	C98	UEs supporting CS domain services
9.4.5.4.1	Location updating / periodic HPLMN search / UE waits time T	R99	C98	UEs supporting CS domain services
9.4.5.4.2	Location updating / periodic HPLMN search / UE in manual mode	R99	C98	UEs supporting CS domain services
9.4.5.4.3	Location updating / periodic HPLMN search / UE waits at least two minutes and at most T minutes	R99	C98	UEs supporting CS domain services
9.4.6	Location updating / interworking of attach and periodic	R99	C98	UEs supporting CS domain services
9.5.2	MM connection / establishment in security mode	R99	C98	UEs supporting CS domain services
9.5.3	MM connection / establishment in non-security mode	R99	C98	UEs supporting CS domain services
9.5.4	MM connection / establishment rejected	R99	C98	UEs supporting CS domain services
9.5.5	MM connection / establishment rejected cause 4	R99	C98	UEs supporting CS domain services
9.5.6	MM connection / expiry T3230	R99	C98	UEs supporting CS domain services
9.5.7.1	MM connection / abortion by the network / cause #6	R99	C98	UEs supporting CS domain services
9.5.7.2	MM connection / abortion by the network / cause not equal to #6	R99	C100	UEs supporting CS domain services UEs supporting at least one non-call related SS
9.5.8.1	MM connection / follow-on request pending / test 1	R99	C98	UEs supporting CS domain services
9.5.8.2	MM connection / follow-on request pending / test 2	R99	C98	UEs supporting CS domain services
9.5.8.3	MM connection / follow-on request pending / test 3	R99	C98	UEs supporting CS domain services
CALL CONTROL				
10.1.2.1.1	Outgoing call / U0 null state / MM connection requested	R99	C10	UEs supporting at least one mobile originated circuit switched basic service

Clause	Title	Release	Applicability	Comments
10.1.2.2.1	Outgoing call / U0.1 MM connection pending / CM service rejected	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.2.2	Outgoing call / U0.1 MM connection pending / CM service accepted	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.2.3	Outgoing call / U0.1 MM connection pending / lower layer failure	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.1	Outgoing call / U1 call initiated / receiving CALL PROCEEDING	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.2	Outgoing call / U1 call initiated / rejecting with RELEASE COMPLETE	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.3	Outgoing call / U1 call initiated / T303 expiry	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.4	Outgoing call / U1 call initiated / lower layer failure	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.5	Outgoing call / U1 call initiated / receiving ALERTING	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.6	Outgoing call / U1 call initiated / entering state U10	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.3.7	Outgoing call / U1 call initiated / unknown message received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.1	Outgoing call / U3 UE originating call proceeding / ALERTING received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.2	Outgoing call / U3 UE originating call proceeding / CONNECT received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.3	Outgoing call / U3 UE originating call proceeding / PROGRESS received without in band information	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.4	Outgoing call / U3 UE originating call proceeding / PROGRESS with in band information	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.5	Outgoing call / U3 UE originating call proceeding / DISCONNECT with in band tones	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.6	Outgoing call / U3 UE originating call proceeding / DISCONNECT without in band tones	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.7	Outgoing call / U3 UE originating call proceeding / RELEASE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.8	Outgoing call / U3 UE originating call proceeding / termination requested by the user	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.9	Outgoing call / U3 UE originating call proceeding / traffic channel allocation	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.10	Outgoing call / U3 UE originating call proceeding / timer T310 time-out	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.11	Outgoing call / U3 UE originating call proceeding / lower layer failure	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.12	Outgoing call / U3 UE originating call proceeding / unknown message received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.4.13	Outgoing call / U3 UE originating call proceeding / Internal alerting indication	R99	C13	UEs supporting mobile originated circuit switched basic service for telephony
10.1.2.5.1	Outgoing call / U4 call delivered / CONNECT received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service

Clause	Title	Release	Applicability	Comments
10.1.2.5.2	Outgoing call / U4 call delivered / termination requested by the user	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.5.3	Outgoing call / U4 call delivered / DISCONNECT with in band tones	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.5.4	Outgoing call / U4 call delivered / DISCONNECT without in band tones	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.5.5	Outgoing call / U4 call delivered / RELEASE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.5.6	Outgoing call / U4 call delivered / lower layer failure	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.5.7	Outgoing call / U4 call delivered / traffic channel allocation	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.5.8	Outgoing call / U4 call delivered / unknown message received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.6.1	U10 call active / termination requested by the user	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.6.2	U10 call active / RELEASE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.6.3	U10 call active / DISCONNECT with in band tones	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.6.4	U10 call active / DISCONNECT without in band tones	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.6.5	U10 call active / RELEASE COMPLETE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.6.6	U10 call active / SETUP received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.7.1	U11 disconnect request / clear collision	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.7.2	U11 disconnect request / RELEASE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.7.3	U11 disconnect request / timer T305 time-out	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.7.4	U11 disconnect request / lower layer failure	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.7.5	U11 disconnect request / unknown message received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service
10.1.2.8.1	U12 disconnect indication / call releasing requested by the user	R99	C13	UEs supporting bearer capability for speech.= UE supporting mobile originated circuit switched basic service for telephony
10.1.2.8.2	U12 disconnect indication / RELEASE received	R99	C13	UEs supporting bearer capability for speech. = UE supporting mobile originated circuit switched basic service for telephony
10.1.2.8.3	U12 disconnect indication / lower layer failure	R99	C13	UEs supporting bearer capability for speech. = UE supporting mobile originated circuit switched basic service for telephony
10.1.2.8.4	U12 disconnect indication / unknown message received	R99	C13	UEs supporting bearer capability for speech. = UE supporting mobile originated circuit switched basic service for telephony
10.1.2.9.1	Outgoing call / U19 release request / timer T308 time-out	R99	C10	UEs supporting at least one mobile originated circuit switched basic service.

Clause	Title	Release	Applicability	Comments
10.1.2.9.2	Outgoing call / U19 release request / 2nd timer T308 time-out	R99	C10	UEs supporting at least one mobile originated circuit switched basic service.
10.1.2.9.3	Outgoing call / U19 release request / RELEASE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service.
10.1.2.9.4	Outgoing call / U19 release request / RELEASE COMPLETE received	R99	C10	UEs supporting at least one mobile originated circuit switched basic service.
10.1.2.9.5	Outgoing call / U19 release request / lower layer failure	R99	C10	UEs supporting at least one mobile originated circuit switched basic service.
10.1.3.1.1	Incoming call / U0 null state / SETUP received with a non supported bearer capability	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.All UEs.
10.1.3.2.1	Incoming call / U6 call present / automatic call rejection	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.3.1	Incoming call / U9 mobile terminating call confirmed / alerting or immediate connecting	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.3.2	Incoming call / U9 mobile terminating call confirmed / DTCH assignment	R99	C41	UEs supporting at least one MT circuit switched basic service, for which immediate connect is not used.
10.1.3.3.3	Incoming call / U9 mobile terminating call confirmed / termination requested by the user	R99	C41	UEs supporting at least one MT circuit switched basic service for which immediate connection is not used
10.1.3.3.4	Incoming call / U9 mobile terminating call confirmed / DISCONNECT received	R99	C41	UEs supporting at least one MT circuit switched basic service, for which immediate connect is not used.
10.1.3.3.5	Incoming call / U9 mobile terminating call confirmed / RELEASE received	R99	C41	UEs supporting at least one MT circuit switched basic service, for which immediate connect is not used.
10.1.3.3.6	Incoming call / U9 mobile terminating call confirmed / lower layer failure	R99	C41	UEs supporting at least one MT circuit switched basic service, for which immediate connect is not used.
10.1.3.3.7	Incoming call / U9 mobile terminating call confirmed / unknown message received	R99	C41	UEs supporting at least MT circuit switched basic service, for which immediate connect is not used.
10.1.3.4.1	Incoming call / U7 call received / call accepted	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.2	Incoming call / U7 call received / termination requested by the user	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.3	Incoming call / U7 call received / DISCONNECT received	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.4	Incoming call / U7 call received / RELEASE received	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.5	Incoming call / U7 call received / lower layer failure	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.6	Incoming call / U7 call received / unknown message received	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.7	Incoming call / U7 call received / DTCH assignment	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service for which immediate connect is not used.
10.1.3.4.8	Incoming call / U7 call received / RELEASE COMPLETE received	R99	C41	UEs supporting at least one mobile terminating circuit switched basic service, for which immediate connect is not used.
10.1.3.5.1	Incoming call / U8 connect request / CONNECT acknowledged	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.

Clause	Title	Release	Applicability	Comments
10.1.3.5.2	Incoming call / U8 connect request / timer T313 time-out	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.3	Incoming call / U8 connect request / termination requested by the user	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.4	Incoming call / U8 connect request / DISCONNECT received with in-band information	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.5	Incoming call / U8 connect request / DISCONNECT received without in-band information	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.6	Incoming call / U8 connect request / RELEASE received	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.7	Incoming call / U8 connect request / lower layer failure	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.8	Incoming call / U8 connect request / DTCH assignment	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.3.5.9	Incoming call / U8 connect request / unknown message received	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
10.1.4.1.1	In-call functions / DTMF information transfer / basic procedures	R99	C13	UEs supporting any equipment supporting bearer capability for speech= UE supporting mobile originated circuit switched basic service for telephony
10.1.4.2.1	In-call functions / User notification / UE terminated	R99	C14	UEs supporting at least one circuit switched basic service.
10.1.4.3.1	In-call functions / channel changes / a successful channel change in active state/ Handover and Assignment Command	R99	C14	UEs supporting at least one circuit switched basic service.
10.1.4.3.2	In-call functions / channel changes / an unsuccessful channel change in active mode/ Handover and Assignment Command	R99	C14	UEs supporting at least one circuit switched basic service.
10.2.1	Call Re-establishment/call present, re-establishment allowed	R99	C16	UEs supporting at least one bearer capability.
10.3	User to user signalling	R99	C11	UEs supporting at least one mobile terminating circuit switched basic service.
SESSION MANAGEMENT				
11.1.1.1	Attach initiated by context activation/QoS Offered by Network is the QoS Requested	R99	C12	UE supporting PS domain services.
11.1.1.2.1	QoS offered by the network is a lower QoS / QoS accepted by UE	R99	C12	UE supporting PS domain services.
11.1.1.2.2	QoS offered by the network is a lower QoS / QoS rejected by UE	R99	C12	UE supporting PS domain services. This test may not be applicable to the UEs which support all QoS and it is not possible to configure the UE to reject any QoS.
11.1.2	PDP context activation requested by the network, successful and unsuccessful	R99	C17	UE supporting PS domain services configured in such a way that one or more PDP contexts can be active simultaneously.
11.1.3.1	Abnormal Cases / T3380 Expiry	R99	C12	UE supporting PS domain services.
11.1.3.2	Abnormal Cases / Collision of UE initiated and network requested PDP context activation	R99	C17	UE supporting PS domain services configured in such a way that one or more PDP contexts can be active simultaneously.
11.1.3.3	Abnormal Cases / Network initiated PDP context activation request for an already activated PDP context (on the UE side)	R99	C12	UE supporting PS domain services.
11.1.4.1.1	Successful secondary PDP context activation procedure initiated by the UE/QoS Offered by Network is the QoS Requested	R99	C12	UE supporting PS domain services.
11.1.4.1.2.1	Successful secondary PDP context activation procedure Initiated by the UE/QoS Offered by Network is a lower QoS/QoS accepted by UE	R99	C12	UE supporting PS domain services.

Clause	Title	Release	Applicability	Comments
11.1.4.1.2.2	Successful secondary PDP context activation procedure Initiated by the UE/QoS Offered by Network is a lower QoS/QoS rejected by UE	R99	C12	UE supporting PS domain services.
11.1.4.1.2.3	Successful secondary PDP context activation procedure Initiated by the UE/LLC SAPI rejected by UE	R99	C12	UE supporting PS domain services.
11.1.4.2	Unsuccessful Secondary PDP Context Activation Procedure Initiated by the UE	R99	C12	UE supporting PS domain services.
11.1.4.2.1	Abnormal cases/T3380 Expiry	R99	C12	UE supporting PS domain services.
11.2.1	Network initiated PDP context modification	R99	C12	UE supporting PS domain services.
11.2.2.1	UE initiated PDP context modification/UE initiated PDP context modification accepted by network	R99	C12	UE supporting PS domain services.
11.2.2.2	UE initiated PDP context modification/UE initiated PDP context modification not accepted by network	R99	C12	UE supporting PS domain services.
11.2.3.1	Abnormal Cases/T3381 Expiry	R99	C12	UE supporting PS domain services.
11.2.3.2	Collision of UE and network initiated PDP context modification procedures	R99	C12	UE supporting PS domain services.
11.3.1	PDP context deactivation initiated by the UE	R99	C12	UE supporting PS domain services.
11.3.2	PDP context deactivation initiated by the network	R99	C12	UE supporting PS domain services.
11.3.3.1	Abnormal cases / T3390 Expiry	R99	C12	UE supporting PS domain services.
11.3.3.2	Abnormal cases / Collision of UE and network initiated PDP context deactivation requests	R99	C12	UE supporting PS domain services.
11.4.1	Error cases	R99	C12	UE supporting PS domain services.
PACKET SWITCHED MOBILITY MANAGEMENT				
12.2.1.1	PS attach / accepted	R99	C12	UE supporting PS domain services.
12.2.1.2	PS attach / rejected / IMSI invalid / illegal UE	R99	C12	UE supporting PS domain services.
12.2.1.3	PS attach / rejected / IMSI invalid / PS services not allowed	R99	C12	UE supporting PS domain services.
12.2.1.4	PS attach / rejected / PLMN not allowed	R99	C12	UE supporting PS domain services.
12.2.1.5a	PS attach / rejected / roaming not allowed in this location area	R99	C12	UE supporting PS domain services.
12.2.1.5b	PS attach / rejected / No Suitable Cells In Location Area	R99	C12	UE supporting PS domain services.
12.2.1.6	PS attach / abnormal cases / access barred due to access class control	R99	C12	UE supporting PS domain services.
12.2.1.7	PS attach / abnormal cases / change of cell into new routing area	R99	C12	UE supporting PS domain services.
12.2.1.8	PS attach / abnormal cases / power off	R99	C12	UE supporting PS domain services.
12.2.1.9	PS attach / abnormal cases / PS detach procedure collision	R99	C12	UE supporting PS domain services.
12.2.2.1	Combined PS attach / PS and non-PS attach accepted	R99	C88	UE supporting PS domain services and CS domain services.
12.2.2.2	Combined PS attach / PS only attach accepted	R99	C88	UE supporting PS domain services and CS domain services.
12.2.2.3	Combined PS attach / PS attach while IMSI attach	R99	C103	UE supports UE operation mode A and does not support automatic PS attach procedure at switch on.
12.2.2.4	Combined PS attach / rejected / IMSI invalid / illegal ME	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.2.2.5	Combined PS attach / rejected / PS services and non-PS services not allowed	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.2.2.6	Combined PS attach / rejected / PS services not allowed	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.2.2.7a	Combined PS attach / rejected / location area not allowed	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.2.2.7b	Combined PS attach / rejected / No Suitable Cells In Location Area	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.2.2.8	Combined PS attach / abnormal cases / attempt counter check / miscellaneous reject causes	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.2.2.9	Combined PS attach / abnormal cases / PS detach procedure collision	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.3.1.1	PS detach / power off / accepted	R99	C12	UE supporting PS domain services.

Clause	Title	Release	Applicability	Comments
12.3.1.2	PS detach / accepted	R99	C12	UE supporting PS domain services.
12.3.1.3	PS detach / abnormal cases / attempt counter check / procedure timeout	R99	C12	UE supporting PS domain services.
12.3.1.4	PS detach / abnormal cases / GMM common procedure collision	R99	C12	UE supporting PS domain services.
12.3.1.5	PS detach / power off / accepted	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.3.1.6	PS detach / accepted / PS/IMSI detach	R99	C211	UE supporting user requested combined circuit switch and packet switch detach without power off.
12.3.1.7	PS detach / accepted / IMSI detach	R99	C212	UE supporting user requested non-PS detach.
12.3.1.8	PS detach / abnormal cases / change of cell into new routing area	R99	C211	UE supporting user requested combined circuit switch and packet switch detach without power off.
12.3.1.9	PS detach / abnormal cases / PS detach procedure collision	R99	C211	UE supporting user requested combined circuit switch and packet switch detach without power off.
12.3.2.1	PS detach / re-attach not required / accepted	R99	C12	UE supporting PS domain services.
12.3.2.2	PS detach / rejected / IMSI invalid / PS services not allowed	R99	C12	UE supporting PS domain services.
12.3.2.3	PS detach / IMSI detach / accepted	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.3.2.4	PS detach / re-attach requested / accepted	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.3.2.5	PS detach / rejected / location area not allowed	R99	C12	UE supporting PS domain services.
12.3.2.6	PS detach / rejected / No Suitable Cells In Location Area	R99	C12	UE supporting PS domain services.
12.4.1.1	Routing area updating / accepted	R99	C12	UE supporting PS domain services.
12.4.1.2	Routing area updating / rejected / IMSI invalid / illegal ME	R99	C12	UE supporting PS domain services.
12.4.1.3	Routing area updating / rejected / UE identity cannot be derived by the network	R99	C12	UE supporting PS domain services.
12.4.1.4a	Routing area updating / rejected / location area not allowed	R99	C12	UE supporting PS domain services.
12.4.1.4b	Routing area updating / rejected / No Suitable Cells In Location Area	R99	C12	UE supporting PS domain services.
12.4.1.5	Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	R99	C12	UE supporting PS domain services.
12.4.1.6	Routing area updating / abnormal cases / change of cell into new routing area	R99	C12	UE supporting PS domain services.
12.4.1.7	Routing area updating / abnormal cases / change of cell during routing area updating procedure	R99	C12	UE supporting PS domain services.
12.4.1.8	Routing area updating / abnormal cases / P-TMSI reallocation procedure collision	R99	C12	UE supporting PS domain services.
12.4.2.1	Combined routing area updating / combined RA/LA accepted	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.2	Combined routing area updating / UE in CS operation at change of RA	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.3	Combined routing area updating / RA only accepted	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.4	Combined routing area updating / rejected / PLMN not allowed	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.5a	Combined routing area updating / rejected / roaming not allowed in this location area	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.5b	Combined routing area updating / rejected / No Suitable Cells In Location Area	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.6	Combined routing area updating / abnormal cases / access barred due to access class control	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).

Clause	Title	Release	Applicability	Comments
12.4.2.7	Combined routing area updating / abnormal cases / attempt counter check / procedure timeout	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.8	Combined routing area updating / abnormal cases / change of cell into new routing area	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.9	Combined routing area updating / abnormal cases / change of cell during routing area updating procedure	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.2.10	Combined routing area updating / abnormal cases / PS detach procedure collision	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.4.3.1	Periodic routing area updating / accepted	R99	C12	UE supporting PS domain services.
12.4.3.2	Periodic routing area updating / accepted / T3312 default value	R99	C12	UE supporting PS domain services.
12.4.3.3	Periodic routing area updating / no cell available / network mode I	R99	C12	UE supporting PS domain services.
12.4.3.4	Periodic routing area updating / no cell available	R99	C88	UE supporting PS domain services and CS domain services (UE supports UE operation mode A).
12.5	P-TMSI reallocation	R99	C12	UE supporting PS domain services.
12.6.1.1	Authentication accepted	R99	C12	UE supporting PS domain services.
12.6.1.2	Authentication rejected - by the network	R99	C12	UE supporting PS domain services.
12.6.1.3.1	GMM cause 'MAC failure'	R99	C12	UE supporting PS domain services
12.6.1.3.2	GMM cause 'Synch failure'	R99	C12	UE supporting PS domain services
12.6.1.3.3	Authentication rejected by the UE / fraudulent network	R99	C12	UE supporting PS domain services
12.7.1	General Identification	R99	C12	UE supporting PS domain services.
12.8	GMM READY timer handling	R99	C12	UE supporting PS domain services.
12.9.1	Service Request Initiated by UE Procedure	R99	C12	UE supporting PS domain services.
12.9.2	Service Request Initiated by Network Procedure	R99	C12	UE supporting PS domain services.
12.9.3	Service Request / rejected / Illegal MS	R99	C12	UE supporting PS domain services.
12.9.4	Service Request / rejected / PS services not allowed	R99	C12	UE supporting PS domain services.
12.9.5	Service Request / rejected / MS identity cannot be derived by the network	R99	C12	UE supporting PS domain services.
12.9.6	Service Request / rejected / PLMN not allowed	R99	C12	UE supporting PS domain services.
12.9.7a	Service Request / rejected / No PDP context activated	R99	C12	UE supporting PS domain services.
12.9.7b	Service Request / rejected / No Suitable Cells In Location Area	R99	C12	UE supporting PS domain services.
12.9.8	Service Request / Abnormal cases / Access barred due to access class control	R99	C12	UE supporting PS domain services.
12.9.9	Service Request / Abnormal cases / Routing area update procedure is triggered	R99	C12	UE supporting PS domain services.
12.9.10	Service Request / Abnormal cases / Power off	R99	C12	UE supporting PS domain services.
12.9.11	Service Request / Abnormal cases / Service request procedure collision	R99	C12	UE supporting PS domain services.
GENERAL TESTS				
13.2.1.1	Emergency call / with USIM / accept case	R99	C96	UEs supporting emergency speech call
13.2.2.1	Emergency call / without USIM / accept case	R99	C96	UEs supporting emergency speech call
13.2.2.2	Emergency call / without USIM / reject case	R99	C96	UEs supporting emergency speech call
RADIO BEARER SERVICES				
	Combinations on DPCH			
14.2.1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH	R99	C107	UEs supporting FDD and reference radio bearer configuration "Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH"
14.2.2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C108	UEs supporting FDD and reference radio bearer configuration "Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH	R99	C109	UEs supporting FDD and reference radio bearer configuration "Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH"
14.2.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs	R99	C110	UEs supporting FDD and reference radio bearer configuration

Clause	Title	Release	Applicability	Comments
	for DCCH			"Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C111	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C112	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C113	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C114	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.9	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C115	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.10	Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	R99	C116	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH"
14.2.11	Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	R99	C117	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH"
14.2.12	Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C118	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.13.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C119	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.13.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	R99	C120	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI"
14.2.14.1	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C121	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.14.2	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	R99	C122	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI"
14.2.15	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C123	UE supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.16	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C124	UE supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.17	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for	R99	C125	UE supporting FDD and reference radio bearer configuration

Clause	Title	Release	Applicability	Comments
	DCCH			"Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.18	Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C126	UE supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.19	Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C127	UE supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.20	Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C128	UE supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.21	Streaming / unknown / UL:128 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C129	UEs supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:128 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.22	Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C130	UE supporting FDD and reference radio bearer configuration "Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.23.1	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)	R99	C131	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)"
14.2.23.2	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	R99	C132	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)"
14.2.23.3	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	R99	C133	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)"
14.2.23.4	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	R99	C134	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)"
14.2.24.1	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / TC	R99	C135	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / TC"
14.2.24.2	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / CC	R99	C207	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / CC"
14.2.25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH/ (TC, 10 ms TTI)	R99	C136	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH/ (TC, 10 ms TTI)"
14.2.25.2	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	R99	C137	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)"

Clause	Title	Release	Applicability	Comments
14.2.25.3	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	R99	C138	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)"
14.2.25.4	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	R99	C139	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)"
14.2.26	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C140	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.27	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C141	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.28	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C142	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.29	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C143	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.2.30	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C144	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.2.31.1	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /10 ms TTI	R99	C145	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /10 ms TTI"
14.2.31.2	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /20 ms TTI	R99	C146	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /20 ms TTI"
14.2.32.1	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C147	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.32.2	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C148	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.33.1	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C149	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.33.2	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C150	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"

Clause	Title	Release	Applicability	Comments
14.2.34.1	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C151	UEs supporting FDD and reference radio bearer configuration "Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.34.2	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C152	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.35.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C153	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.35.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C154	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.36.1	Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C155	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.36.2	Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C156	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.37.1	Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C157	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.37.2	Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C158	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.38.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	R99	C159	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)"
14.2.38.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)	R99	C160	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)"
14.2.38.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	R99	C161	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)"

Clause	Title	Release	Applicability	Comments
14.2.38.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	R99	C162	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)"
14.2.39.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)	R99	C163	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)"
14.2.39.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	R99	C164	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)"
14.2.39.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	R99	C165	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)"
14.2.39.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	R99	C166	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)"
14.2.40	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C167	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.2.41	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C168	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.42.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C169	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.42.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C170	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.43.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C171	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"

Clause	Title	Release	Applicability	Comments
14.2.43.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C172	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.44.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	R99	C173	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI"
14.2.44.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C174	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.45	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C175	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.46	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C176	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.47	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C177	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.48	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C178	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.49.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C179	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"
14.2.49.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	R99	C180	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI"
14.2.50.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	R99	C181	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI"

Clause	Title	Release	Applicability	Comments
14.2.50.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	R99	C182	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI"
14.2.51.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C183	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.51.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C184	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.52.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C185	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.52.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C186	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.53.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C187	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.53.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C188	UE supporting FDD and reference radio bearer configuration "Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.54	Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C189	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.2.55	Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C190	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
	Combinations on PDSCH and DPCH			
14.3.1.1	Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C191	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.3.1.2	Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C192	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH"

Clause	Title	Release	Applicability	Comments
14.3.2.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C193	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.3.2.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C194	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.3.3.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C195	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.3.3.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	R99	C196	UE supporting FDD and reference radio bearer configuration "Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH"
14.3.4.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C197	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.3.4.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C198	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.3.5.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C199	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.3.5.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C200	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.3.6.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C201	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH"
14.3.6.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	R99	C202	UE supporting FDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH"
	Combinations on SCCPCH			
14.4.1	Stand-alone signalling RB for PCCH	R99	C203	UE supporting FDD and reference radio bearer configuration "Stand-alone signalling RB for PCCH"
14.4.2	Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	R99	C204	UE supporting FDD and reference radio bearer configuration "Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH"

Clause	Title	Release	Applicability	Comments
14.4.3	Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH	R99	C205	UE supporting FDD and reference radio bearer configuration "Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH"
	Combinations on PRACH			
14.5.1	Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH	R99	C206	UE supporting FDD and reference radio bearer configuration "Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH"
SMS				
16.1.1	SMS on CS mode / SMS mobile terminated	R99	C18	UE capable of receiving Short Message at any time on CS mode.
16.1.2	SMS on CS mode / SMS mobile originated	R99	C20	UE capable of submitting Short Message at any time on CS mode.
16.1.3	SMS on CS mode / Test of memory full condition and memory available notification	R99	C21	UE capable of sending the correct acknowledgement of memory full condition on CS mode.
16.1.4	SMS on CS mode / Test of the status report capabilities and of SMS-COMMAND	R99	C22	UEs supporting the status report capabilities on CS mode.
16.1.5.1	SMS on CS mode / Short message class 0	R99	C23	UE capable of displaying short messages on CS mode
16.1.5.2	SMS on CS mode / Test of class 1 short messages	R99	C24	UE capable of displaying short messages and storing of received Class 1 Short Messages on CS mode
16.1.5.3	SMS on CS mode / Test of class 2 short messages	R99	C25	UE capable of displaying short messages and storing of received Class 2 Short Messages in the SIM on CS mode.
16.1.5.4	SMS on CS mode / Test of class 3 short messages	R99	[FFS]	[FFS]
16.1.6	SMS on CS mode / Test of short message type 0 (???)	R99	[FFS]	[FFS}
16.1.7	SMS on CS mode / Test of the replace mechanism for SM type 1-7	R99	C33	UEs which support Replace Short Messages and display of received Short Messages on CS mode.
16.1.8	SMS on CS mode / Test of the reply path scheme	R99	C34	UEs which support reply procedures (the class of UEs for which this is mandatory is described in TS 23.040, annex 4) displaying of received Short Messages and submitting Short Messages on CS mode.
16.1.9.1	SMS on CS mode / Multiple SMS mobile originated / UE in idle mode	R99	C35	UE supporting the ability of sending multiple short messages on the same RR connection when there is no call in progress on CS mode.
16.1.9.2	SMS on CS mode / Multiple SMS mobile originated / UE in active mode	R99	C36	UE supporting the ability of sending concatenated multiple short messages when there is a call in progress on CS mode.
16.1.10	SMS on CS mode / Test of capabilities of simultaneously receiving a short message whilst sending a mobile originated short message	R99	C101	UE capable of receiving Short Message whilst sending Short Message on CS mode.
16.2.1	SMS on PS mode / SMS mobile terminated	R99	C26	UE capable of receiving Short Message at any time on PS mode.
16.2.2	SMS on PS mode / SMS mobile originated	R99	C27	UE capable of submitting Short Message at any time on PS mode.
16.2.3	SMS on PS mode / Test of memory full condition and memory available notification	R99	C28	UE capable of sending the correct acknowledgement of memory full condition in PS mode.
16.2.4	SMS on PS mode / Test of the status report capabilities and of SMS-COMMAND	R99	C29	UEs supporting the status report capabilities in PS mode.
16.2.5.1	Short message class 0	R99	C30	UE capable of displaying short messages in PS mode
16.2.5.2	SMS on PS mode / Test of class 1 short messages	R99	C31	UE capable of displaying short messages and storing of received Class 1 Short Messages in PS mode
16.2.5.3	SMS on PS mode / Test of class 2 short messages	R99	C32	UE capable of displaying short messages and storing of received Class 2 Short Messages in the SIM in PS mode.

Clause	Title	Release	Applicability	Comments
16.2.5.4	SMS on PS mode / Test of class 3 short messages	R99	[FFS]	[FFS]
16.2.6	SMS on PS mode / Test of short message type 0 (???)	R99	[FFS]	[FFS]
16.2.7	SMS on PS mode / Test of the replace mechanism for SM type 1-7	R99	C37	UEs which support Replace Short Messages and display of received Short Messages in PS mode.
16.2.8	SMS on PS mode / Test of the reply path scheme	R99	C38	UEs which support reply procedures (the class of UEs for which this is mandatory is described in TS 23.040, annex 4) displaying of received Short Messages and submitting Short Messages in PS mode.
16.2.10	SMS on PS mode / Test of capabilities of simultaneously receiving a short message whilst sending a mobile originated short message	R99	C102	UE capable of receiving Short Message whilst sending Short Message on PS mode.
16.3	Short message service cell broadcast	R99	C219	UE capable of receiving broadcast messages.
USER EQUIPMENT FEATURES				
17.1.2	Constraining the access to a single number	R99	C93	All UEs supporting autocalling
17.1.3	Constraining the access to a single number	R99	C93	All UEs supporting autocalling
17.1.4	Behaviour of the MS when its list of blacklisted numbers is full	R99	C94	UEs that are capable of autocalling more than M B-party numbers.
Multi-Layer Functional Tests				
18.1	***RAB Tests for TDD (1.28 Mcps option) Combinations on DPCH***			
18.1.2.1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH	Rel-4	C220	UEs supporting LCRTDD and reference radio bearer configuration "Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH"
18.1.2.2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH	Rel-4	C221	UEs supporting LCRTDD and reference radio bearer configuration "Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH"
18.1.2.3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH	Rel-4	C222	UEs supporting LCRTDD and reference radio bearer configuration "Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH"
18.1.2.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	Rel-4	C223	UEs supporting LCRTDD and reference radio bearer configuration "Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
18.1.2.5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	Rel-4	C224	UE supporting LCRTDD and reference radio bearer configuration "Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
18.1.2.6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	Rel-4	C225	UE supporting LCRTDD and reference radio bearer configuration "Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"
18.1.2.7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH	Rel-4	C226	UE supporting LCRTDD and reference radio bearer configuration "Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH"
18.1.2.8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	Rel-4	C227	UE supporting LCRTDD and reference radio bearer configuration "Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH"

C01	IF A.1/1 THEN R ELSE N/A
C02	IF A.1/2 THEN R ELSE N/A
C03	IF A.1/3 THEN R ELSE N/A
C04	IF A.1/1 AND A.2/2 THEN R ELSE N/A
C05	IF A.1/1 AND A.1/4 THEN R ELSE N/A
C06	IF A.1/1 AND A.3/2 THEN R ELSE N/A
C07	IF A.1/1 AND A.20/27 THEN R ELSE N/A
C08	IF A.1/1 AND A.20/28 THEN R ELSE N/A
C09	IF A.1/1 AND NOT A.20/3 THEN R ELSE N/A
C10	IF A.20/4 THEN R ELSE N/A
C11	IF A.20/5 THEN R ELSE N/A
C12	IF A.3/2 THEN R ELSE N/A
C13	IF A.2/1 OR A.2/2 OR A.10/2 THEN R ELSE N/A
C14	IF A.20/4 OR A.20/5 THEN R ELSE N/A
C15	IF A.10/2 THEN R ELSE N/A
C16	IF A.20/1 THEN R ELSE N/A
C17	IF A.3/3 AND A.20/7 THEN R ELSE N/A
C18	IF A.2/3 THEN R ELSE N/A
C19	(void)
C20	IF A.2/4 THEN R ELSE N/A
C21	IF A.20/8 AND A.3/1 THEN R ELSE N/A
C22	IF A.20/9 AND A.3/1 THEN R ELSE N/A
C23	IF A.3/1 THEN R ELSE N/A
C24	IF A.20/11 AND A.3/1 THEN R ELSE N/A
C25	IF A.20/12 AND A.3/1 THEN R ELSE N/A
C26	IF A.2/5 THEN R ELSE N/A
C27	IF A.2/6 THEN R ELSE N/A
C28	IF A.20/8 AND A.3/2 THEN R ELSE N/A
C29	IF A.20/9 AND A.3/2 THEN R ELSE N/A
C30	A.3/2 THEN R ELSE N/A
C31	IF A.20/11 AND A.3/2 THEN R ELSE N/A
C32	IF A.20/12 AND A.3/2 THEN R ELSE N/A
C33	IF A.20/13 AND A.3/1 THEN R ELSE N/A
C34	IF A.20/14 AND A.2/4 AND A.3/1 THEN R ELSE N/A
C35	IF A.20/15 AND A.3/1 THEN R ELSE N/A
C36	IF A.20/16 AND A.3/1 THEN R ELSE N/A
C37	IF A.20/13 AND A.3/2 THEN R ELSE N/A
C38	IF A.20/14 AND A.2/6 THEN R ELSE N/A
C39	IF A.20/15 AND A.3/2 THEN R ELSE N/A
C40	IF A.20/16 AND A.3/2 THEN R ELSE N/A
C41	IF (NOT A.20/17) AND (NOT A.20/6) AND A.20/5 THEN R ELSE N/A
C42	IF A.1/1 AND A.3/2 AND A.20/27 THEN R ELSE N/A
C43	void
C44	void
C45	void
C46	void
C47	void
C48	void
C49	void
C50	IF A.20/37 AND A.1/4 AND (A.1/2 OR A.1/3) THEN R ELSE N/A
C51	void
C52	IF (A.1/2 OR A.1/3) AND A.3/2 THEN R ELSE N/A
C53	IF (A.1/2 OR A.1/3) AND A.20/27 THEN R ELSE N/A
C54	IF (A.1/2 OR A.1/3) AND A.3/2 AND A.20/27 THEN R ELSE N/A
C55	void
C56	IF (A.1/2 OR A.1/3) AND A.1/4 THEN R ELSE N/A
C57	void
C58	void
C59	void
C60	void
C61	void
C62	void
C63	void
C64	void
C65	void
C66	void
C67	void
C68	void
C69	void

C70 void
C71 void
C72 void
C73 void
C74 void
C75 void
C76 void
C77 void
C78 void
C79 void
C80 void
C81 void
C82 void
C83 void
C84 void
C85 void
C86 void
C87 void
C88 IF A.3/3 THEN R ELSE N/A.
C89 void
C90 void
C91 void
C92 void
C93 IF A.20/29 THEN R ELSE N/A
C94 IF A.20/29 AND A.20/30 THEN R ELSE N/A
C95 IF (A.1/1 AND A.1/4) AND (A.2/1 OR A.2/2) THEN R ELSE N/A
C96 IF A.2/2 THEN R ELSE N/A
C97 IF (A.1/1 AND A.1/4) AND A.3/1 AND (A.4/1 OR A.4/2 OR A.4/3 OR A.4/4 OR A.4/5 OR A.4/6 OR A.4/7 OR A.4/8 OR A.4/9 OR A.4/10 OR A.4/11 OR A.4/12 OR A.4/13 OR A.4/14 OR A.4/15 OR A.4/16 OR A.4/17 OR A.4/18 OR A.4/19 OR A.4/20 OR A.4/21) THEN R ELSE N/A
C98 IF A.3/1 OR A.3/3 THEN R ELSE N/A.
C99 IF (A.3/1 OR A.3/3) AND A.20/36 THEN R ELSE N/A.
C100 IF (A.3/1 OR A.3/3) AND A.7/30 THEN R ELSE N/A.
C101 IF A.2/3 AND A.2/4 THEN R ELSE N/A
C102 IF A.2/5 AND A.2/6 THEN R ELSE N/A
C103 IF A.3/3 AND (NOT A.20/38) THEN R ELSE N/A
C104 IF A.20/37 AND A.1/1 THEN R ELSE N/A
C105 IF A.20/37 AND (A.1/1 AND A.1/4) THEN R ELSE N/A
C106 IF A.1/1 AND A.2/1 AND A.2/2 THEN R ELSE N/A
C107 IF A.1/1 AND A.18c/1 THEN R ELSE N/A
C108 IF A.1/1 AND A.18c/2 THEN R ELSE N/A
C109 IF A.1/1 AND A.18c/3 THEN R ELSE N/A
C110 IF A.1/1 AND A.18c/4 THEN R ELSE N/A
C111 IF A.1/1 AND A.18c/5 THEN R ELSE N/A
C112 IF A.1/1 AND A.18c/6 THEN R ELSE N/A
C113 IF A.1/1 AND A.18c/7 THEN R ELSE N/A
C114 IF A.1/1 AND A.18c/8 THEN R ELSE N/A
C115 IF A.1/1 AND A.18c/9 THEN R ELSE N/A
C116 IF A.1/1 AND A.18c/10 THEN R ELSE N/A
C117 IF A.1/1 AND A.18c/11 THEN R ELSE N/A
C118 IF A.1/1 AND A.18c/12 THEN R ELSE N/A
C119 IF A.1/1 AND A.18c/13.1 THEN R ELSE N/A
C120 IF A.1/1 AND A.18c/13.2 THEN R ELSE N/A
C121 IF A.1/1 AND A.18c/14.1 THEN R ELSE N/A
C122 IF A.1/1 AND A.18c/14.2 THEN R ELSE N/A
C123 IF A.1/1 AND A.18c/15 THEN R ELSE N/A
C124 IF A.1/1 AND A.18c/16 THEN R ELSE N/A
C125 IF A.1/1 AND A.18c/17 THEN R ELSE N/A
C126 IF A.1/1 AND A.18c/18 THEN R ELSE N/A
C127 IF A.1/1 AND A.18c/19 THEN R ELSE N/A
C128 IF A.1/1 AND A.18c/20 THEN R ELSE N/A
C129 IF A.1/1 AND A.18c/21 THEN R ELSE N/A
C130 IF A.1/1 AND A.18c/22 THEN R ELSE N/A
C131 IF A.1/1 AND A.18c/23.1 THEN R ELSE N/A
C132 IF A.1/1 AND A.18c/23.2 THEN R ELSE N/A
C133 IF A.1/1 AND A.18c/23.3 THEN R ELSE N/A
C134 IF A.1/1 AND A.18c/23.4 THEN R ELSE N/A
C135 IF A.1/1 AND A.18c/24.1 THEN R ELSE N/A
C136 IF A.1/1 AND A.18c/25.1 THEN R ELSE N/A
C137 IF A.1/1 AND A.18c/25.2 THEN R ELSE N/A

C138 IF A.1/1 AND A.18c/25.3 THEN R ELSE N/A
C139 IF A.1/1 AND A.18c/25.4 THEN R ELSE N/A
C140 IF A.1/1 AND A.18c/26 THEN R ELSE N/A
C141 IF A.1/1 AND A.18c/27 THEN R ELSE N/A
C142 IF A.1/1 AND A.18c/28 THEN R ELSE N/A
C143 IF A.1/1 AND A.18c/29 THEN R ELSE N/A
C144 IF A.1/1 AND A.18c/30 THEN R ELSE N/A
C145 IF A.1/1 AND A.18c/31.1 THEN R ELSE N/A
C146 IF A.1/1 AND A.18c/31.2 THEN R ELSE N/A
C147 IF A.1/1 AND A.18c/32.1 THEN R ELSE N/A
C148 IF A.1/1 AND A.18c/32.2 THEN R ELSE N/A
C149 IF A.1/1 AND A.18c/33.1 THEN R ELSE N/A
C150 IF A.1/1 AND A.18c/33.2 THEN R ELSE N/A
C151 IF A.1/1 AND A.18c/34.1 THEN R ELSE N/A
C152 IF A.1/1 AND A.18c/34.2 THEN R ELSE N/A
C153 IF A.1/1 AND A.18c/35.1 THEN R ELSE N/A
C154 IF A.1/1 AND A.18c/35.2 THEN R ELSE N/A
C155 IF A.1/1 AND A.18c/36.1 THEN R ELSE N/A
C156 IF A.1/1 AND A.18c/36.2 THEN R ELSE N/A
C157 IF A.1/1 AND A.18c/37.1 THEN R ELSE N/A
C158 IF A.1/1 AND A.18c/37.2 THEN R ELSE N/A
C159 IF A.1/1 AND A.18c/38.1 THEN R ELSE N/A
C160 IF A.1/1 AND A.18c/38.2 THEN R ELSE N/A
C161 IF A.1/1 AND A.18c/38.3 THEN R ELSE N/A
C162 IF A.1/1 AND A.18c/38.4 THEN R ELSE N/A
C163 IF A.1/1 AND A.18c/39.1 THEN R ELSE N/A
C164 IF A.1/1 AND A.18c/39.2 THEN R ELSE N/A
C165 IF A.1/1 AND A.18c/39.3 THEN R ELSE N/A
C166 IF A.1/1 AND A.18c/39.4 THEN R ELSE N/A
C167 IF A.1/1 AND A.18c/40 THEN R ELSE N/A
C168 IF A.1/1 AND A.18c/41 THEN R ELSE N/A
C169 IF A.1/1 AND A.18c/42.1 THEN R ELSE N/A
C170 IF A.1/1 AND A.18c/42.2 THEN R ELSE N/A
C171 IF A.1/1 AND A.18c/43.1 THEN R ELSE N/A
C172 IF A.1/1 AND A.18c/43.2 THEN R ELSE N/A
C173 IF A.1/1 AND A.18c/44.1 THEN R ELSE N/A
C174 IF A.1/1 AND A.18c/44.2 THEN R ELSE N/A
C175 IF A.1/1 AND A.18c/45 THEN R ELSE N/A
C176 IF A.1/1 AND A.18c/46 THEN R ELSE N/A
C177 IF A.1/1 AND A.18c/47 THEN R ELSE N/A
C178 IF A.1/1 AND A.18c/48 THEN R ELSE N/A
C179 IF A.1/1 AND A.18c/49.1 THEN R ELSE N/A
C180 IF A.1/1 AND A.18c/49.2 THEN R ELSE N/A
C181 IF A.1/1 AND A.18c/50.1 THEN R ELSE N/A
C182 IF A.1/1 AND A.18c/50.2 THEN R ELSE N/A
C183 IF A.1/1 AND A.18c/51.1 THEN R ELSE N/A
C184 IF A.1/1 AND A.18c/51.2 THEN R ELSE N/A
C185 IF A.1/1 AND A.18c/52.1 THEN R ELSE N/A
C186 IF A.1/1 AND A.18c/52.2 THEN R ELSE N/A
C187 IF A.1/1 AND A.18c/53.1 THEN R ELSE N/A
C188 IF A.1/1 AND A.18c/53.2 THEN R ELSE N/A
C189 IF A.1/1 AND A.18c/54 THEN R ELSE N/A
C190 IF A.1/1 AND A.18c/55 THEN R ELSE N/A
C191 IF A.1/1 AND A.18d/1.1 THEN R ELSE N/A
C192 IF A.1/1 AND A.18d/1.2 THEN R ELSE N/A
C193 IF A.1/1 AND A.18d/2.1 THEN R ELSE N/A
C194 IF A.1/1 AND A.18d/2.2 THEN R ELSE N/A
C195 IF A.1/1 AND A.18d/3.1 THEN R ELSE N/A
C196 IF A.1/1 AND A.18d/3.2 THEN R ELSE N/A
C197 IF A.1/1 AND A.18d/4.1 THEN R ELSE N/A
C198 IF A.1/1 AND A.18d/4.2 THEN R ELSE N/A
C199 IF A.1/1 AND A.18d/5.1 THEN R ELSE N/A
C200 IF A.1/1 AND A.18d/5.2 THEN R ELSE N/A
C201 IF A.1/1 AND A.18d/6.1 THEN R ELSE N/A
C202 IF A.1/1 AND A.18d/6.2 THEN R ELSE N/A
C203 IF A.1/1 AND A.18e/1 THEN R ELSE N/A
C204 IF A.1/1 AND A.18e/2 THEN R ELSE N/A
C205 IF A.1/1 AND A.18e/3 THEN R ELSE N/A
C206 IF A.1/1 AND A.18f/1 THEN R ELSE N/A
C207 IF A.1/1 AND A.18c/24.2 THEN R ELSE N/A

C208	IF A.1/2 AND A.2/2 THEN R ELSE N/A
C209	IF A.20/37 AND A.1/2 THEN R ELSE N/A
C210	IF A.1/2 AND A.2/1 AND A.2/2 THEN R ELSE N/A
C211	IF A.3/3 AND A.20/39 THEN R ELSE N/A
C212	IF A.3/2 AND A.20/40 THEN R ELSE N/A
C213	IF A.3/2 AND A.19/1 THEN R ELSE N/A
C214	IF A.3/2 AND A.19/1 AND A.19/3 AND A.19/4 THEN R ELSE N/A
C215	IF A.3/2 AND A.19/1 AND A.19/2 THEN R ELSE N/A
C216	IF A.3/2 AND A.2/7 AND A.19b/1 THEN R ELSE N/A
C217	IF A.3/2 AND A.19b/1 AND A.19b/3 THEN R ELSE N/A
C218	IF A.3/2 AND A.2/7 AND A.19b/1 AND A.19b/2 THEN R ELSE N/A
C219	IF A.3/2 AND A.2/7 THEN R ELSE N/A
C220	IF A.1/3 AND A.18g/1 THEN R ELSE N/A
C221	IF A.1/3 AND A.18g/2 THEN R ELSE N/A
C222	IF A.1/3 AND A.18g/3 THEN R ELSE N/A
C223	IF A.1/3 AND A.18g/4 THEN R ELSE N/A
C224	IF A.1/3 AND A.18g/5 THEN R ELSE N/A
C225	IF A.1/3 AND A.18g/6 THEN R ELSE N/A
C226	IF A.1/3 AND A.18g/7 THEN R ELSE N/A
C227	IF A.1/3 AND A.18g/8 THEN R ELSE N/A

Annex A (normative): ICS proforma for 3rd Generation User Equipment

A.1 Guidance for completing the ICS proforma

A.1.1 Purposes and structure

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

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

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

A.1.2 Abbreviations and conventions

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

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.

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.

EXAMPLE 1: A.5/4 is the reference to the answer of item 4 in table A.5.

EXAMPLE 2: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in table A.6.

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:

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.....

.....

Software configuration:

.....

.....

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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.1: UE Radio Technologies

Item	UE Radio Technologies	Ref.	Release	Comments
1	FDD (DS)	25.101	R99	
2	TDD 3.84 Mcps	25.102	R99	
3	TDD 1.28 Mcps (LCR)	25.102	Rel-4	
4	GSM	21.904, 5	R99	

A.4.2 UE Service Capabilities

A.4.2.1 3GPP Standardised UE Service Capabilities

A.4.2.1.1 Teleservices

Table A.2: Teleservices

Item	Teleservices	Ref.	Release	Comments
1	Narrow band speech (AMR)	22.105, 6.4.1	R99	
2	Emergency speech call	22.105, 6.4.2	R99	
3	Short Message Service (SMS) MT over CS	22.105, 6.4.3 22.003, A.1.3.1	R99	
4	Short Message Service (SMS) MO over CS	22.105, 6.4.3 22.003, A.1.3.2	R99	
5	Short Message Service (SMS) MT over PS	22.105, 6.4.3 22.003, A.1.3.1	R99	
6	Short Message Service (SMS) MO over PS	22.105, 6.4.3 22.003, A.1.3.2	R99	
7	Cell Broadcast Service (CBS)	22.105, 6.4.4	R99	

A.4.2.1.2 Bearer Services

Table A.3: Definition of Bearer Services

Item	Definition of Bearer Services	Ref.	Release	Comments
1	Circuit Switched	22.105, 5.1 22.002	R99	
2	Packet Switched	22.105, 5.1 22.060	R99	
3	UE supports UE operation mode A: PS and CS simultaneously		R99	

Table A.4: Asynchronous General Bearer Services

Item	Asynchronous General Bearer Services	Ref.	Release	Comments
1	3,1 kHz Audio 9 600 bit/s	22.002, 3.1.1	R99	
2	3,1 kHz Audio 14 400 bit/s	22.002, 3.1.1	R99	
3	3,1 kHz Audio 19 200 bit/s	22.002, 3.1.1	R99	
4	3,1 kHz Audio 28 800 bit/s	22.002, 3.1.1	R99	
5	3,1 KhZ Audio Modem AutoBauding1	22.002, 3.1.1	R99	
6	V.110 UDI 9 600 bit/s	22.002, 3.1.2	R99	
7	V.110 UDI 14 400 bit/s	22.002, 3.1.2	R99	
8	V.110 UDI 19 200 bit/s	22.002, 3.1.2	R99	
9	V.110 UDI 28 800 bit/s	22.002, 3.1.2	R99	
10	V.110 UDI 38 400 bit/s	22.002, 3.1.2	R99	
11	V.120 9 600 bit/s	22.002, 3.1.4	R99	
12	V.120 14 400 bit/s	22.002, 3.1.4	R99	
13	V.120 19 200 bit/s	22.002, 3.1.4	R99	
14	V.120 28 800 bit/s	22.002, 3.1.4	R99	
15	V.120 38 400 bit/s	22.002, 3.1.4	R99	
16	V.120 48 000 bit/s	22.002, 3.1.4	R99	
17	V.120 56 000 bit/s	22.002, 3.1.4	R99	
18	PIAFS 32 000 bit/s	22.002, 3.1.6	R99	
19	PIAFS 64 000 bit/s	22.002, 3.1.6	R99	
20	Frame Tunnelling Mode 56 000 bit/s	22.002, 3.1.7	R99	
21	Frame Tunnelling Mode 64 000 bit/s	22.002, 3.1.7	R99	
NOTE: The rates in the table refer to FNUR (Fixed Network User Rate).				

Table A.5: Synchronous General Bearer Services

Item	Synchronous General Bearer Services	Ref.	Release	Comments
1	3,1 kHz Audio 9 600 bit/s	22.002, 3.1.1	R99	
2	3,1 kHz Audio 14 400 bit/s	22.002, 3.1.1	R99	
3	3,1 kHz Audio 19 200 bit/s	22.002, 3.1.1	R99	
4	3,1 kHz Audio 28 800 bit/s	22.002, 3.1.1	R99	
5	V.110 UDI 28 800 bit/s	22.002, 3.1.2	R99	
6	V.110 UDI 48 000 bit/s	22.002, 3.1.2	R99	
7	V.110 UDI 56 000 bit/s	22.002, 3.1.2	R99	
8	X.31 Flag Stuffing UDI 9 600 bit/s	22.002, 3.1.3	R99	
9	X.31 Flag Stuffing UDI 14 400 bit/s	22.002, 3.1.3	R99	
10	X.31 Flag Stuffing UDI 19 200 bit/s	22.002, 3.1.3	R99	
11	X.31 Flag Stuffing UDI 28 800 bit/s	22.002, 3.1.3	R99	
12	X.31 Flag Stuffing UDI 38 400 bit/s	22.002, 3.1.3	R99	
13	X.31 Flag Stuffing UDI 48 000 bit/s	22.002, 3.1.3	R99	
14	X.31 Flag Stuffing UDI 56 000 bit/s	22.002, 3.1.3	R99	
15	V.120 9 600 bit/s	22.002, 3.1.4	R99	
16	V.120 14 400 bit/s	22.002, 3.1.4	R99	
17	V.120 19 200 bit/s	22.002, 3.1.4	R99	
18	V.120 28 800 bit/s	22.002, 3.1.4	R99	
19	V.120 38 400 bit/s	22.002, 3.1.4	R99	
20	V.120 48 000 bit/s	22.002, 3.1.4	R99	
21	V.120 56 000 bit/s	22.002, 3.1.4	R99	
22	Bit Transparent mode 56 000 bit/s	22.002, 3.1.5	R99	
23	Bit Transparent mode 64 000 bit/s	22.002, 3.1.5	R99	
24	Multimedia Call 28 800 bit/s	22.002, 3.1.8	R99	
25	Multimedia Call 32 000 bit/s	22.002, 3.1.8	R99	
26	Multimedia Call 33 600 bit/s	22.002, 3.1.8	R99	
27	Multimedia Call 56 000 bit/s	22.002, 3.1.8	R99	
28	Multimedia Call 64 000 bit/s	22.002, 3.1.8	R99	
NOTE: The rates in the table refer to FNUR (Fixed Network User Rate).				

Table A.6: QoS classes or traffic classes

Item	QoS classes or traffic classes	Ref.	Release	Comments
1	Conversational	23.107, 6.3.1, 6.5.1	R99	
2	Streaming	23.107, 6.3.2, 6.5.1	R99	
3	Interactive	23.107, 6.3.3, 6.5.1	R99	
4	Background	23.107, 6.3.4, 6.5.1	R99	

A.4.2.1.3 Supplementary Services

Table A.7: Supplementary Services

Item	Supplementary services	Ref.	Release	Comments
1	Call Deflection	22.072; 22.004, 4	R99	
2	Calling Line Identification Presentation	22.081, 1; 22.004, 4	R99	
3	Calling Line Identification Restriction	22.081, 2; 22.004, 4	R99	
4	Connected Line Identification Presentation	22.081, 3; 22.004, 4	R99	
5	Connected Line Identification Restriction	22.081, 4; 22.004, 4	R99	
6	Call Forwarding Unconditional	22.082, 1; 22.004, 4	R99	
7	Call Forwarding on Mobile Subscriber Busy	22.082, 2; 22.004, 4	R99	
8	Call Forwarding on No Reply	22.082, 3; 22.004, 4	R99	
9	Call Forwarding on Mobile Subscriber Not Reachable	22.082, 4; 22.004, 4	R99	
10	Call Waiting	22.083, 1; 22.004, 4	R99	
11	Call Hold	22.083, 2 22.004, 4	R99	
12	Multi Party Service	22.084; 22.004, 4	R99	
13	Closed User Group	22.085; 22.004, 4	R99	
14	User-to-user signalling	22.087; 22.004, 4	R99	
15	Advice of Charge (Information)	22.086, 1; 22.004, 4	R99	
16	Advice of Charge (Charging)	22.086, 2; 22.004, 4	R99	
17	Barring of All Outgoing Calls	22.088, 1; 22.004, 4	R99	
18	Barring of Outgoing International Calls	22.088, 1; 22.004, 4	R99	
19	Barring of Outgoing International Calls except those directed to the Home PLMN Country	22.088, 1; 22.004, 4	R99	
20	Barring of All Incoming Calls	22.088, 2; 22.004, 4	R99	
21	Barring of Incoming Calls when Roaming Outside the Home PLMN Country	22.088, 2; 22.004, 4	R99	
22	Explicit call transfer	22.091; 22.004, 4	R99	
23	Call Completion to Busy Subscriber	22.093; 22.004, 4	R99	
24	Call Completion to Busy Subscriber Request	22.093; 22.004, 4	R99	
25	Follow Me	22.094	R99	
26	Calling name presentation (CNAP)	22.096; 22.004, 4	R99	
27	Multiple Subscriber Profile (MSP)	22.097; 22.004, A	R99	
28	Multicall	22.135; 22.004, 4	R99	
29	enhanced Multi-Level Precedence and Pre-emption	22.067; 22.004, 4	R99	
30	At least one non-call related Supplementary Service supported		R99	
NOTE: Test cases for these features will not be include in R99 of TS 34.123-1.				

A.4.2.1.4 Service Capabilities

Table A.8: Service Capabilities

Item	Services Capabilities	Ref.	Release	Comments
1	Mobile station Execution Environment (MExE)	22.057	R99	
2	Location Service (LCS)	22.071	R99	
3	USIM Application Toolkit (USAT)	31.111	R99	
NOTE: Test cases for these features will not be include in R99 of TS 34.123-1.				

A.4.2.1.5 GSM System Features

Table A.9: GSM System Features

Item	GSM System Features	Ref.	Release	Comments
1	Network Identity and Time Zone (NITZ)	22.042	R99	
2	Unstructured Supplementary Service Data (USSD)	22.090	R99	
NOTE: Test cases for these features will not be include in R99 of TS 34.123-1.				

A.4.2.2 Other UE Service Capabilities

Table A.10: Other UE Service Capabilities

Item	Other UE Service Capabilities	Ref.	Release	Comments
1	Multimedia services (3G-324M)	26.071, 26.110, 26.111, 26.112	R99	
2	Alternate speech/facsimile group 3	22.003, A.1.4	R99	
3	Automatic facsimile group 3	22.003, A.1.5	R99	

A.4.3 Baseline Implementation Capabilities

Table A.11: Supported protocols

Item	Supported protocols	Ref.	Release	Comments
1	Call Control	24.008, 5	R99	
2	Mobility Management	24.008, 4	R99	
3	Session Management	24.008, 6.1	R99	
4	GPRS Mobility Management	24.008, 4	R99	
5	Radio Resource Control	25.331	R99	
6	Packet Data Convergence Protocol	25.323	R99	
7	Broadcast/Multicast Control	25.324	R99	
8	Radio Link Control	25.322	R99	
9	Medium Access Control	25.321	R99	
10	Physical Layer	25.201	R99	

A.4.3.1 Baseline Implementation Capabilities to facilitate Conformance testing

Table A.12: Reference Measurement Channels

Item	Reference Measurement Channels	Ref.	Release	Comments
1	Up-link reference measurement channel 12.2 kbps (FDD)	25.101 A.2.1	R99	
2	Down-link reference measurement channel 12.2 kbps (FDD)	25.101 A.3.1	R99	
3	Up-link reference measurement channel12.2 kbps (TDD)	25.102 A.2.1	R99	
4	Down-link reference measurement channel 12.2 kbps (TDD)	25.102 A.2.2	R99	
5	Up-link reference measurement channel12.2 kbps (1.28 Mcps TDD)	25.102 A.2.1.2	Rel-4	
6	Down-link reference measurement channel 12.2 kbps (1.28 Mcps TDD)	25.102 A.2.2.2	Rel-4	

Table A.13: Special Conformance Testing Functions

Item	Special Conformance Testing Functions	Ref.	Release	Comments
1	UE test loop	34.109, 5.3	R99	
2	Max UE test loop UL RLC SDU size 65535 bits	34.109, 6.2	R99	

Table A.14: Terminal Logical Test Interface

Item	Terminal Logical Test Interface	Ref.	Release	Comments
1	Electrical Man Machine Interface (EMMI)	34.109, 8	R99	
2	UICC/ME test interface	34.109, 9	R99	

A.4.3.2 RF Baseline Implementation Capabilities

Table A.15: FDD (DS) RF Baseline Implementation Capabilities

Item	FDD (DS) RF Baseline Implementation Capabilities	Ref.	Release	Comments
1	Chip rate 3,84 Mcps	25.101, 5.1	R99	
2	Frequency band: 1 920-1 980, 2 110-2 170 MHz	25.101, 5.2	R99	
3	Frequency band: 1 850-1 910, 1 930-1 990 MHz	25.101, 5.2	R99	
4	Frequency band: Other spectrum	25.101, 5.2	R99	
5	TX-RX Freq. Sep: 190 MHz	25.101, 5.3	R99	
6	TX-RX Freq. Sep: 80 MHz	25.101, 5.3	R99	
7	TX-RX Freq. Sep: Variable	25.101, 5.3	R99	
8	Carrier raster: 200 kHz	25.101, 5.4	R99	
9	UE Power Class 1 (+33 dBm)	25.101, 6.2.1	R99	
10	UE Power Class 2 (+27 dBm)	25.101, 6.2.1	R99	
11	UE Power Class 3 (+24 dBm)	25.101, 6.2.1	R99	
12	UE Power Class 4 (+21 dBm)	25.101, 6.2.1	R99	
13	Output RF spectrum emissions	25.101, 6.6	R99	

Table A.16: TDD RF Baseline Implementation Capabilities

Item	TDD RF Baseline Implementation Capabilities	Ref.	Release	Comments
1	Chip rate 3,84 Mcps	25.102, 5.1	R99	
2a	Chip rate 1,28 Mcps	25.102, 5.1	Rel-4	
2b	Frequency band: 1 900-1 920 MHz	25.102, 5.2	R99, Rel-4	
3	Frequency band: 2 010-2 025 MHz	25.102, 5.2	R99, Rel-4	
4	Frequency band: 1 850-1 910 MHz	25.102, 5.2	R99, Rel-4	
5	Frequency band: 1 930-1 990 MHz	25.102, 5.2	R99, Rel-4	
6	Frequency band: 1 910-1 930 MHz	25.102, 5.2	R99, Rel-4	
7	Frequency band: Other spectrum	25.102, 5.2	R99, Rel-4	
8	Carrier raster: 200 kHz	25.102, 5.4	R99, Rel-4	
9	UE Power Class 2 (+24 dBm)	25.102, 6.2.1	R99, Rel-4	
10	UE Power Class 3 (+21 dBm)	25.102, 6.2.1	R99, Rel-4	
11	Output RF spectrum emissions	25.102, 6.6	R99, Rel-4	

A.4.3.3 Physical Layer Baseline Implementation Capabilities

Table A.17: Void

Table A.18: Void

Table A.18a: FDD Layer 1 UE Radio Access Capabilities

Item	FDD Layer 1 UE Radio Access Capabilities	Ref.	Release	Comments
1	Support of turbo decoding	25.306, 4.5.1	R99	
2	Support of turbo encoding	25.306, 4.5.2	R99	
3	Support for SF 512 (downlink)	25.306, 4.5.3	R99	
4	Support of PDSCH	25.306, 4.5.3	R99	
5	Simultaneous reception of SCCPCH and DPCH	25.306, 4.5.3	R99	
6	Simultaneous reception of SCCPCH, DPCH and PDSCH	25.306, 4.5.3	R99	
7	Support of PCPCH	25.306, 4.5.4	R99	

Table A.18b: TDD Layer 1 UE Radio Access Capabilities

Item	TDD Layer 1 UE Radio Access Capabilities	Ref.	Release	Comments
1	Support of turbo decoding	25.306, 4.5.1	R99, Rel-4	
2	Support of turbo encoding	25.306, 4.5.2	R99, Rel-4	
3	Max.number of physical channels and TS per frame	25.306, 4.5.5, 4.5.6	R99	
4	Max.number of physical channels and TS per subframe	25.306, 4.5.5, 4.5.6	Rel-4	
4	Minimum SF	25.306, 4.5.5, 4.5.6	R99, Rel-4	
5	Support of PDSCH (Downlink)	25.306, 4.5.5	R99, Rel-4	
6	Max.number of ohysical channels per TS	25.306, 4.5.5 4.5.6	R99, Rel-4	
7	Support of 8PSK	25.306, 4.5.5, 4.5.6	Rel-4	
8	Support of PUSCH	25.306, 4.5.5 4.5.6	R99, Rel-4	

A.4.3.3.1 FDD Interoperability Radio Bearer Capabilities

The applicability column in table A.18c to A.18f specifies the minimum UE radio access capability for which the reference radio bearer configurations are applicable. The UE radio access capability parameters and their possible value range are defined in TS 25.306 [34a] clause 5.1.

The following labels have been used in tables A.18c to A.18f to represent the various UE radio access capability parameters:

	Label	UE radio access capability parameter as defined in [34a] 25.306.
Transport channel parameters in downlink	DL Max TB bits	Maximum sum of number of bits of all transport blocks being received at an arbitrary time instant
	DL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks being received at an arbitrary time instant
	DL Max TC TB bits	Maximum sum of number of bits of all turbo coded transport blocks being received at an arbitrary time instant
	DL Max TrCHs	Maximum number of simultaneous transport channels
	DL Max CCTrCH	Maximum number of simultaneous CCTrCH
	DL Max TTI TB	Maximum total number of transport blocks received within TTIs that end within the same 10 ms interval
	DL Max TFS	Maximum number of TFC in the TFCS
	DL Max TF	Maximum number of TF
	DL TC	Support for turbo decoding
Transport channel parameters in uplink	UL Max TB bits	Maximum sum of number of bits of all transport blocks being transmitted at an arbitrary time instant
	UL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks being transmitted at an arbitrary time instant
	UL Max TC TB bits	Maximum sum of number of bits of all turbo coded transport blocks being transmitted at an arbitrary time instant
	UL Max TrCHs	Maximum number of simultaneous transport channels
	UL Max TTI TB	Maximum total number of transport blocks transmitted within TTIs that start at the same time
	UL Max TFS	Maximum number of TFC in the TFCS
	UL Max TF	Maximum number of TF
	UL TC	Support for turbo encoding

Table A.18c: FDD interoperability radio bearer capabilities for combinations on DPCH.

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH	34.108 6.10.2.4.1.1	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	SF512 = Yes	
2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.2	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH	34.108 6.10.2.4.1.3	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.4	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	4	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.5	Same as for item 4.		
6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.6	Same as for item 4.		
7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.7	Same as for item 4.		
8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.8	Same as for item 4.		
9	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.9	Same as for item 4.		
10	Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	34.108 6.10.2.4.1.10	Same as for item 4.		
11	Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	34.108 6.10.2.4.1.11	Same as for item 4.		
12	Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.12	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	1280	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	4	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Y	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
13.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.13	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	1280	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	4	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Y	
			Other required UE radio access capability	None	
13.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	34.108 6.10.2.4.1.13	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
14.1	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.14	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	4	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
14.2	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	34.108 6.10.2.4.1.14	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	1280	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	4	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
15	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.15	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
16	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.16	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	1280	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	4	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
17	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.17	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
18	Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.18	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
19	Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.19	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
20	Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.20	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
21	Streaming / unknown / UL:128 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.21	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	6400	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	2	
			UL Max TTI TB	32	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
22	Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.22	DL Max TB bits	20480	
			DL Max CC TB bits	640	
			DL Max TC TB bits	20480	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	64	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
23.1	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)	34.108 6.10.2.4.1.23	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
23.2	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	34.108 6.10.2.4.1.23	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	2	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
23.3	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	34.108 6.10.2.4.1.23	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
23.4	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	34.108 6.10.2.4.1.23	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	1280	
			UL Max CC TB bits	1280	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
24.1	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / TC	34.108 6.10.2.4.1.24	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
24.2	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / CC	34.108 6.10.2.4.1.24	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH/ (TC, 10 ms TTI)	34.108 6.10.2.4.1.25	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
25.2	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	34.108 6.10.2.4.1.25	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	2	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
25.3	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	34.108 6.10.2.4.1.25	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
25.4	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	34.108 6.10.2.4.1.25	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	1280	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
26	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.26	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
27	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.27	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
28	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2. .4.1.28	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
29	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.29	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
30	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.30	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
31.1	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /10 ms TTI	34.108 6.10.2.4.1.31	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
31.2	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH /20 ms TTI	34.108 6.10.2.4.1.31	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
32.1	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.32	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
32.2	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.32	DL Max TB bits	8960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	8960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
33.1	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.33	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
33.2	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.33	DL Max TB bits	8960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	8960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
34.1	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.34	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	5120	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
34.2	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.34	DL Max TB bits	8960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	8960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	8960	
			UL Max CC TB bits	640	
			UL Max TC TB bits	8960	
			UL Max TrCHs	2	
			UL Max TTI TB	32	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
35.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.35	DL Max TB bits	40960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	40960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	64	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
35.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.35	DL Max TB bits	81920	
			DL Max CC TB bits	640	
			DL Max TC TB bits	81920	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	96	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	2	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
36.1	Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.36	DL Max TB bits	40960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	40960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	64	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
36.2	Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.36	DL Max TB bits	81920	
			DL Max CC TB bits	640	
			DL Max TC TB bits	81920	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	96	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
37.1	Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.37	DL Max TB bits	40960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	40960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	64	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	5120	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	2	
			UL Max TTI TB	16	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
37.2	Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.37	DL Max TB bits	81920	
			DL Max CC TB bits	640	
			DL Max TC TB bits	81920	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	96	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	8960	
			UL Max CC TB bits	640	
			UL Max TC TB bits	8960	
			UL Max TrCHs	2	
			UL Max TTI TB	32	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
38.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI	34.108 6.10.2.4.1.38	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
38.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 10 ms TTI	34.108 6.10.2.4.1.38	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
38.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 10 ms TTI	34.108 6.10.2.4.1.38	DL Max TB bits	1280	
			DL Max CC TB bits	1280	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	1280	
			UL Max CC TB bits	1280	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
38.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (CC, 20 ms TTI	34.108 6.10.2.4.1.38	DL Max TB bits	1280	
			DL Max CC TB bits	1280	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	1280	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
39.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (TC, 10 ms TTI)	34.108 6.10.2.4.1.39	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
39.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)	34.108 6.10.2.4.1.39	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
39.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 10 ms TTI)	34.108 6.10.2.4.1.39	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	1280	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
39.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)	34.108 6.10.2.4.1.39	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	1280	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
40	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.40	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
41	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.41	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
42.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.42	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
42.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.42	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
43.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.43	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	4120	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
43.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.43	DL Max TB bits	8960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	8960	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
44.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	34.108 6.10.2.4.1.44	DL Max TB bits	40960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	40960	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	64	
			DL Max TFS	96	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	8	
			UL Max TTI TB	16	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
44.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.44	DL Max TB bits	81920	
			DL Max CC TB bits	640	
			DL Max TC TB bits	81920	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	96	
			DL Max TFS	128	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	8	
			UL Max TTI TB	16	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
45	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.45	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	
46	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note 1	34.108 6.10.2.4.1.46	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	
47	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note 1	34.108 6.10.2.4.1.47	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	48	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
48	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note 1	34.108 6.10.2.4.1.48	DL Max TB bits	20480	
			DL Max CC TB bits	640	
			DL Max TC TB bits	20480	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	64	
			DL Max TFS	48	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	1280	
			UL Max CC TB bits	640	
			UL Max TC TB bits	640	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	
49.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.49	DL Max TB bits	2560	
			DL Max CC TB bits	640	
			DL Max TC TB bits	1280	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	
49.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	34.108 6.10.2.4.1.49	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	8	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
50.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI	34.108 6.10.2.4.1.50	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	
50.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI	34.108 6.10.2.4.1.50	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	6400	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	4	
			UL Max TTI TB	16	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Multicall (2xCS)	
51.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.51	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
51.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.51	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	5120	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	4	
			UL Max TTI TB	16	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
52.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.52	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	
			UL Max CC TB bits	640	
			UL Max TC TB bits	3840	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
52.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.52	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	5120	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	4	
			UL Max TTI TB	16	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
53.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.53	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	5120	
			UL Max CC TB bits	640	
			UL Max TC TB bits	5120	
			UL Max TrCHs	4	
			UL Max TTI TB	16	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
53.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.1.53	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	6400	
			UL Max CC TB bits	640	
			UL Max TC TB bits	6400	
			UL Max TrCHs	4	
			UL Max TTI TB	16	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	
54	Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.54	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
55	Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note	34.108 6.10.2.4.1.55	DL Max TB bits	7680	
			DL Max CC TB bits	640	
			DL Max TC TB bits	7680	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	32	
			DL Max TFS	64	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	Simultaneous CS and PS bearer services	

NOTE: To enable UE loopback of test data for the FDD interoperability reference radio bearer configurations having zero rate in uplink or downlink (items 18 to 22, items 47 to 49 and items 54 and 55 in table A.18c) the "Streaming / unknown / UL:14,4 kbps / CS RAB" and "Streaming / unknown / DL:14,4 kbps / CS RAB" have been used instead of the zero-rate uplink and downlink configuration. The impact on the UE radio access capability has been taken into account in the applicbility statement for those items.

Table A.18d: FDD interoperability radio bearer capabilities for combinations on PDSCH and DPCH

Item	FDD interoperability radio bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access capability See note.		Comments
1.1	Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.1	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	4	
			DL Max CCTrCH	2	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes	
1.2	Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.1	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	4	
			DL Max CCTrCH	2	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes	
2.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.2	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	4	
			DL Max CCTrCH	2	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes	

Item	FDD interoperability radio bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access capability See note.		Comments
2.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.2	DL Max TB bits	8960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	8960	
			DL Max TrCHs	4	
			DL Max CCTrCH	2	
			DL Max TTI TB	32	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes	
3.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.3	DL Max TB bits	40960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	40960	
			DL Max TrCHs	4	
			DL Max CCTrCH	2	
			DL Max TTI TB	64	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes	
3.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.3	DL Max TB bits	81920	
			DL Max CC TB bits	640	
			DL Max TC TB bits	81920	
			DL Max TrCHs	4	
			DL Max CCTrCH	2	
			DL Max TTI TB	96	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	4	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes	

Item	FDD interoperability radio bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access capability See note.		Comments
4.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.4	DL Max TB bits	3840	
			DL Max CC TB bits	640	
			DL Max TC TB bits	3840	
			DL Max TrCHs	8	
			DL Max CCTrCH	2	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes; and Simultaneous CS and PS bearer services	
4.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.4	DL Max TB bits	6400	
			DL Max CC TB bits	640	
			DL Max TC TB bits	6400	
			DL Max TrCHs	8	
			DL Max CCTrCH	2	
			DL Max TTI TB	32	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes; and Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access capability See note.		Comments
5.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.5	DL Max TB bits	5120	
			DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
			DL Max TrCHs	8	
			DL Max CCTrCH	2	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes; and Simultaneous CS and PS bearer services	
5.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.5	DL Max TB bits	8960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	8960	
			DL Max TrCHs	8	
			DL Max CCTrCH	2	
			DL Max TTI TB	32	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes; and Simultaneous CS and PS bearer services	

Item	FDD interoperability radio bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access capability See note.		Comments
6.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.6	DL Max TB bits	40960	
			DL Max CC TB bits	640	
			DL Max TC TB bits	40960	
			DL Max TrCHs	8	
			DL Max CCTrCH	2	
			DL Max TTI TB	48	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes; and Simultaneous CS and PS bearer services	
6.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.10.2.4.2.6	DL Max TB bits	81920	
			DL Max CC TB bits	640	
			DL Max TC TB bits	81920	
			DL Max TrCHs	8	
			DL Max CCTrCH	2	
			DL Max TTI TB	96	
			DL Max TFS	32	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	2560	
			UL Max TrCHs	8	
			UL Max TTI TB	8	
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	PDSCH=Yes; and Simultaneous CS and PS bearer services	

Table A.18e: FDD interoperability radio bearer capabilities for combinations on SCCPCH

Item	FDD interoperability radio bearer configuration for combination on SCCPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
1	Stand-alone signalling RB for PCCH	34.108 6.10.2.4.3.1	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			Other required UE radio access capability	none	
2	Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	34.108 6.10.2.4.3.2	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			Other required UE radio access capability	none	
3	Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH	34.108 6.10.2.4.3.3	DL Max TB bits	1280	
			DL Max CC TB bits	640	
			DL Max TC TB bits	640	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	
			Other required UE radio access capability	none	

Table A.18f: FDD interoperability radio bearer capabilities for combinations on PRACH

Item	FDD interoperability radio bearer configuration for combination on PRACH	Ref.	Applicability (Minimum UE radio access capability)		Comments
1	Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH	34.108 6.10.2.4.4.1	UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max TTI TB	2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	none	

A.4.3.3.2 TDD Radio Bearer Capabilities (1.28 Mcps option)

The applicability column in table A.18g specifies the minimum UE radio access capability for which radio bearer configurations are applicable. The UE radio access capability parameters and their possible value range are defined in TS 25.306 [34a] clause 5.1.

The following labels have been used in table A.18g to represent the various UE radio access capability parameters:

	Label	UE radio access capability parameter as defined in [34a] 25.306.
Transport channel parameters in downlink	DL Max TB bits	Maximum sum of number of bits of all transport blocks being received at an arbitrary time instant
	DL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks being received at an arbitrary time instant
	DL Max TC TB bits	Maximum sum of number of bits of all turbo coded transport blocks being received at an arbitrary time instant
	DL Max TrCHs	Maximum number of simultaneous transport channels
	DL Max CCTrCH	Maximum number of simultaneous CCTrCH
	DL Max TTI TB	Maximum total number of transport blocks received within TTIs that end within the same 10 ms interval
	DL Max TFS	Maximum number of TFC in the TFCS
	DL Max TF	Maximum number of TF
	DL TC	Support for turbo decoding
Transport channel parameters in uplink	UL Max TB bits	Maximum sum of number of bits of all transport blocks being transmitted at an arbitrary time instant
	UL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks being transmitted at an arbitrary time instant
	UL Max TC TB bits	Maximum sum of number of bits of all turbo coded transport blocks being transmitted at an arbitrary time instant
	UL Max TrCHs	Maximum number of simultaneous transport channels
	UL Max CCTrCH	Maximum number of simultaneous CCTrCH
	UL Max TFS	Maximum number of TFC in the TFCS
	UL Max TF	Maximum number of TF
	UL TC	Support for turbo encoding

Table A.18g: Radio bearer capabilities for combinations on DPCH (1.28 Mcps TDD option).

Item	1.28 Mcps TDD option iradio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH	34.108 6.11.5.4.1.1	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max CCTrCH	1	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.11.5.4.1.2	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	

Item	1.28 Mcps TDD option iradio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max CCTrCH	1	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH	34.108 6.11.5.4.1.3	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	2	
			UL Max CCTrCH	1	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.11.5.4.1.4	DL Max TB bits	640	
			DL Max CC TB bits	640	
			DL Max TC TB bits	N/A	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	N/A	
			UL Max TB bits	640	
			UL Max CC TB bits	640	
			UL Max TC TB bits	N/A	
			UL Max TrCHs	4	
			UL Max CCTrCH	1	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE radio access capability	None	
5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.11.5.4.1.5	Same as for item 4.		
6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.11.5.4.1.6	Same as for item 4.		
7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.11.5.4.1.7	Same as for item 4.		
8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	34.108 6.11.5.4.1.8	Same as for item 4.		

A.4.3.4 Layer 2/3 Baseline Implementation Capabilities (access stratum)

Table A.19: PDCP Parameters

Item	PDCP Parameters	Ref.	Release	Comments
1	Support of RFC 2507	25.323, 5.1.2	R99	IP header compression protocol RFC 2507 is supported
2	Support of Lossless SRNS relocation	25.323, 5.4	R99	Lossless SRNS Relocation is supported
3	More than one PDCP entity	25.323, 5.1	R99	Establishment of more than one PDCP entities is supported
4	Support of UM RB and AM RB	34.123-1, 7.3.2.2.4	R99	Support of two radio bearer RLC AM and RLC UM as defined in test case 7.3.2.2.4

Table A.19b: BMC Parameters

Item	BMC Parameters	Ref.	Release	Comments
1	Support of BMC	25.324, 9.1	R99	BMC is supported, i.e. the UE is capable of receiving and forwarding BMC messages
2	Support of BMC Scheduling	25.324, 9.1	R99	BMC DRX Scheduling (Level 2 Scheduling) is supported, i.e. the UE is capable to perform DRX for predicted, scheduled BMC messages
3	Support of ANSI-41 CB data	25.324, 9.1	R99	BMC supports the reception of ANSI-41 CB data

A.4.4 Additional information

Table A.20: Additional information

Item	Additional information	Ref.	Release	Comments
1	At least one bearer service	22.002, 3	R99	
2	At least one supplementary service	22.004, 4	R99	
3	Inter-system measurement for GSM	25.331, 8.4	R99	
4	At least one MO circuit switched basic service	24.008, 5.3.4.2.1	R99	
5	At lease one MT circuit switched basic service	24.008, 5.3.4.2.2	R99	
6	Immediate connect supported for all circuit switched basic services.	24.008, 5.2.1.6	R99	
7	Activation of one or more PDP contexts simultaneously	[TBD]	R99	
8	Sending of correct acknowledgement of memory full condition	[TBD]	R99	
9	Status report capability	[TBD]	R99	
10	(Void)		R99	
11	Storing of received Class 1 short messages	[TBD]	R99	
12	Storing of received Class 2 short messages in the SIM	[TBD]	R99	
13	Replacing of short messages	[TBD]	R99	
14	Reply procedures	23.040, Annex 4	R99	
15	Sending of multiple short messages on the same RR connection when there is no call in progress	[TBD]	R99	
16	Sending of concatenated multiple short messages when there is a call in progress	[TBD]	R99	
17	Only circuit switched basic service supported by the mobile is emergency call	22.003, 6, A.1.2	R99	
18	Multi-code transmission	[TBD]	R99	
19	Poll_PU based polling mode of AM RLC	[TBD]	R99	
20	Timer based polling mode of AM RLC	[TBD]	R99	
21	Discard mode of AM RLC	[TBD]	R99	
22	At least one MO circuit switched basic service	[TBD]	R99	
23	At least one MO circuit switched basic service for which immediate connect is not used	[TBD]	R99	
24	Network initiated MO call (CCBS)	24.008, 5.2.3 24.093, 4.1	R99	
25	DTMF protocol control procedure	24.008, 5.5.7	R99	
26	Secondary PDP context activation procedure	24.008, 6.1.3.2	R99	
27	Support of UMTS encryption algorithm UEA1	33.102, 6.6	R99	
28	Support of UMTS integrity algorithm UIA1	33.102, 6.5	R99	
29	Support Automatic calling repeat call attempt	22.001, Annex E	R99	
30	Support auto-calling more B-party numbers than the number of B-party numbers that can be stored in the list of blacklisted numbers	22.001, Annex E	R99	
31	Void			
32	Support of Follow On Proceed	24.008, 4.4.4.6	R99	
33	Support detach on power down		R99	
34	Support detach on USIM removal		R99	
35	Support switch on/off		R99	
36	Support USIM removal without power down		R99	
37	Indication and user selection of PLMN	23.122, 4.4.3	R99	
38	Support of automatic PS attach procedure at switch on.		R99	
39	User requested combined PS and non-PS detached without powering off	24.008, 4.7.4	R99	
40	User requested non-PS detached	24.008, 4.7.4	R99	

Annex B (informative):
Void

Annex C (informative): Change history

Meeting -1st-Level	Doc-1st-Level	CR	Rev	Subject	Cat	Version -Current	Version -New	Doc-2nd-Level
TP-09				Approval of the specification as v3.1.0 rather than 3.0.0 to be aligned with 34.123-1 version number.		2.0.0	3.1.0	
TP-10	TP-000219	001		Update of Applicability statements for “Idle mode test cases”	F	3.1.0	3.2.0	T1-000280
TP-10	TP-000219	002		Update of applicability clauses for RLC test cases	F	3.1.0	3.2.0	T1-000302
TP-10	TP-000219	003		Update of Applicability Statements for RRC Test Cases	F	3.1.0	3.2.0	T1-000295
TP-10	TP-000219	004		Update of applicability statements for radio bearer test cases	F	3.1.0	3.2.0	T1-000291
TP-10	TP-000219	005		Update of applicability statements for Session Management test cases	B	3.1.0	3.2.0	T1-000299
TP-10	TP-000219	006		Update of Applicability statements for PACKET SWITCHED MOBILITY MANAGEMENT	B	3.1.0	3.2.0	T1-000284
TP-11	TP-010022	007		Update of Applicability statements for “Idle mode test cases”	F	3.2.0	3.3.0	T1-010077
TP-11	TP-010022	008		Updates to clause 4 of TS 34.123-2 version 3.2.0	F	3.2.0	3.3.0	T1-010085
TP-11	TP-010022	009		Update of Applicability statements for GMM	F	3.2.0	3.3.0	T1-010087
TP-12	TP-010122	010		ICS for Idle mode tests	F	3.3.0	3.4.0	T1-010168
TP-12	TP-010122	011		Update to applicability tables for RLC tests	F	3.3.0	3.4.0	T1-010172
TP-12	TP-010122	012		Update to MAC test applicability tables	F	3.3.0	3.4.0	T1-010177
TP-12	TP-010122	013		Update of applicability table	F	3.3.0	3.4.0	T1-010180
TP-12	TP-010122	014		Deletion of applicability statement for intersystem handover tests GERAN to UTRAN	F	3.3.0	3.4.0	T1-010182
TP-12	TP-010122	015		Corrections to applicability for CC test cases	D	3.3.0	3.4.0	T1-010186
TP-12	TP-010122	016		Corrections to applicability for CC test cases	D	3.3.0	3.4.0	T1-010188
TP-12	TP-010122	017		MM test case ICS update	F	3.3.0	3.4.0	T1-010190
TP-12	TP-010122	018		Correction to MM applicability	F	3.3.0	3.4.0	T1-010191
TP-12	TP-010122	019		Correction and Addition of PICS and applicability tables for MM, SMS auto-calling, emergency call and intersystem HO test cases	F	3.3.0	3.4.0	T1-010192
TP-12	TP-010122	020		Update to SMS Applicability tables	F	3.3.0	3.4.0	T1-010195
TP-12	TP-010122	021		SMS applicability	F	3.3.0	3.4.0	T1-010197
TP-12	TP-010122	022		GMM ICS update	F	3.3.0	3.4.0	T1-010201
TP-12	TP-010122	023		Update of applicability of interoperability radio bearer test cases	F	3.3.0	3.4.0	T1-010209
TP-13	TP-010187	024		Applicability for PDCP and BMC	F	3.4.0	3.5.0	T1-010380
TP-13	TP-010187	025		Update on Mobility Management	F	3.4.0	3.5.0	T1-010327
TP-13	TP-010187	026		Idle mode applicability: Merge of 202 and 204	F	3.4.0	3.5.0	T1-010328
TP-13	TP-010187	027		Addition of a SM test case for UE in GSM	F	3.4.0	3.5.0	T1-010329
TP-13	TP-010187	028		Update to GMM ICS	F	3.4.0	3.5.0	T1-010330
TP-13	TP-010187	029		Update of applicability of radio bearer test cases	F	3.4.0	3.5.0	T1-010331
TP-13	TP-010187	030		Update to SMS applicability	F	3.4.0	3.5.0	T1-010332
TP-13	TP-010187	031		Update of Table of aplicability tests of RACH test cases in TS34.123-2 to 1.28 Mcps TDD mode (Rel4)	F	3.4.0	4.0.0	T1-010333
TP-13	TP-010187	032		Editorial modification for References	F	3.4.0	3.5.0	T1-010334
TP-13	TP-010187	033		Merging of Rel4 and R99 protocol test specifications	F	3.4.0	4.0.0	T1-010273
TP-14	TP-010262	035		updated applicability for PDCP testing	F	4.0.0	4.1.0	T1-010436
TP-14	TP-010262	036		Applicability test for Idle mode (section 6.1.2.7 and 6.2)	F	4.0.0	4.1.0	T1-010437
TP-14	TP-010262	037		ICS/IXIT for traffic volume measurement test cases	F	4.0.0	4.1.0	T1-010438
TP-14	TP-010262	038		Applicability of the new interRAT test cases.	F	4.0.0	4.1.0	T1-010439
TP-14	TP-010262	039		Update to GMM test cases	F	4.0.0	4.1.0	T1-010440
TP-14	TP-010262	040		Update of applicability of interoperability radio bearer test	F	4.0.0	4.1.0	T1-010441
TP-14	TP-010262	041		Update of RRC test case applicability	F	4.0.0	4.1.0	T1-010442
TP-14	TP-010262	042		Inclusion of Baseline Implementation Capabilities for 1.28	F	4.0.0	4.1.0	T1-010443
TP-14	TP-010262	043		Applicability test for RRC section (TDD)	F	4.0.0	4.1.0	T1-010444
TP-14	TP-010262	044		Inclusion of Radio Bearer Applicability, Conditions and	F	4.0.0	4.1.0	T1-010445

History

Document history		
V4.0.0	September 2001	Publication
V4.1.0	December 2001	Publication