Technical Specification Group Terminals Meeting #14, Kyoto, Japan, 12-14 December 2001 TSGT#14(01)0262 page 1 of 3

Source:	T1
Title:	CR's to TS 34.123-2 v4.0.0 for approval
Agenda item:	5.1.3
Document for:	Approval

This document contains 10 CRs to TS 34.123-2 v4.0.0. These CRs have been agreed by T1 and are put forward to TSG T for approval.

NOTE: TS 34.123-2 R99 and TS 34.123-2 Rel-4 were merged at the last T#13. This means that ICS and applicability table for both releases are included in TS 34.123-2 Rel-4 and therefore this is the only release being maintained.

CR related to maintenance of R99 and Rel-4:

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version New	Doc-2nd- Level	Workitem	Releases affected
34.123-2	035		Rel-4	updated applicability for PDCP testing	F	4.0.0	4.1.0	T1-010436	TEI	R99, Rel-4
34.123-2	036		Rel-4	Applicability test for Idle mode (section 6.1.2.7 and 6.2) TDD	F	4.0.0	4.1.0	T1-010437	TEI	R99, Rel-4
34.123-2	037		Rel-4	ICS/IXIT for traffic volume measurement test cases (34.123-2)	F	4.0.0	4.1.0	T1-010438	TEI	R99, Rel-4
34.123-2	038		Rel-4	Applicability of the new interRAT test cases.	F	4.0.0	4.1.0	T1-010439	TEI	R99, Rel-4
34.123-2	039		Rel-4	Update to GMM test cases	F	4.0.0	4.1.0	T1-010440	TEI	R99, Rel-4
34.123-2	040		Rel-4	Update of applicability of interoperability radio bearer test cases for FDD.	F	4.0.0	4.1.0	T1-010441	TEI	R99, Rel-4
34.123-2	041		Rel-4	Update of RRC test case applicability	F	4.0.0	4.1.0	T1-010442	TEI	R99, Rel-4
34.123-2	043		Rel-4	Applicability test for RRC section (TDD)	F	4.0.0	4.1.0	T1-010444	TEI	R99, Rel-4

CR related to Low Chip Rate-TDD:

Spec	CR	Rev	Release	Subject	Cat	Version	Version	Doc-2nd-	Workitem	Releases
						Current	New	Level		affected
34.123-2	042		Rel-4	Inclusion of Baseline Implementation Capabilities for 1.28 Mcps TDD	F	4.0.0	4.1.0	T1-010443	LCRTDD	Rel-4
34.123-2	044		Rel-4	Inclusion of Radio Bearer Applicability, Conditions and Capabilities for testing of 1.28 Mcps TDD	F	4.0.0	4.1.0	T1-010445	LCRTDD	Rel-4

3GPP TSG-T1		Tdoc T1-010436
3GPP TSG-T1	ico, 29 th November – 30 th November 2001 I SIG Meeting #20 ico, 26 th November – 28 th November 2001	Tdoc T1S-010308 <u>r1</u>
	CHANGE REQUEST	CR-Form-v4
¥	34.123-2 CR 035 [#] ev - [#] (Current version: 4.0.0 [#]
For <u>HELP</u> c	on using this form, see bottom of this page or look at the	pop-up text over the # symbols.
Proposed chan	ge affects:	ess Network Core Network
Title:	# Updated applicabilty information for L2/PDCP testi	ng
Source:	業 CETECOM GmbH	
Work item code	e: # TEI	Date:
Category:	 F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>. 	Release: #REL-4Use one of the following releases: 2(GSM Phase 2)R96(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)REL-4(Release 4)REL-5(Release 5)
Reason for cha	nge: X Additional PICS and applicability information for	or L2/PDCP testing
Summary of ch	ange: # 1. According T1S-010307 (PDCP prose), test of applicability requirements to perform this test of PICS parameter "Support of UM RB and AM R 4.2. In addition, the applicability condition C214 table 1 is updated by considering the new PICS	ase. For this reason, a new PDCP B" is included in table A.19, item 4 used for test case 7.3.2.2.4 in
Consequences not approved:	if # PDCP tests do not have correct applicability	
Clauses affecte	ed: # clause 4, table A.19 PDCP Parameters and cl of tests	lause A.4.3.4, table 1 Applicability
Other specs affected:	# Other core specifications # Test specifications 0&M Specifications	
Other comment	ts: # Releases affected: R99 and REL-4	

4 Recommended test case applicability

Table 1: Applicability of te

Clause	Title	Release	Applicability	Comments
LAYER 2				
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 <u>supporting two radio</u> <u>bearer RLC AM and RLC UM as</u> defined in this test case

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

ltem	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
<u>4</u>	Support of UM RB and AM RB	<u>34.123-1,</u> <u>7.3.2.2.4</u>	<u>R99</u>	Support of two radio bearer RLC AM and RLC UM as defined in test case 7.3.2.2.4

Table A.19: PDCP Parameters

T1-010437

3GPP TSG-T1/SIG Meeting #20T1S-010329Cancún, México, 26th – 28th November 2001

	CHANGE REQUEST											CR-Form-v3				
X	3	<mark>4.1</mark> 2	<mark>23-2</mark>	CR	036		ж	rev	-	ж	Curr	ent vei	rsion:	4.0	0.0	ж
For <u>HELP</u> o	n us	sing t	his for	m, see	bottom	of this	s paę	ge or	look	at th	e pop	-up te	kt ove	r the ¥	€ syn	nbols.
Proposed chan	ge a	affect	ts:	(U)S	SIM	ME	UE	X	Rad	io Ac	cess	Netwo	ork	Co	re Ne	twork
Title:	ж	Upo	date Ta	able of	Aplicab	<mark>ility ta</mark>	ble f	or idl	<mark>e mo</mark>	<mark>de in</mark>	TDD					
Source:	ж	Sie	mens													
Work item code	: X	TEI									I	Date: 8	€ 26	/11/20	001	
Category:	ж	F									Rele	ease: 8	₭ <mark>R</mark> 4	1		
		Deta	F (ess A (cor B (Add C (Fur D (Edi iled exp	ential co respond dition of nctional torial m planatio	wing cat prrection Is to a co feature) modifications of the TR 21.90) prrectic , tion of pn) above	on in a featu	ure)			e)	e <u>one</u> c 2 R96 R97 R98 R99 REL-4 REL-5	(GS (Rel (Rel (Rel (Rel (Rel	ollowin M Pha ease 1 ease 1 ease 1 ease 4 ease 5	se 2) (996) (997) (998) (999) (999)	ases:

Reason for change: अ	Reflect the update of TS 34.123-1.
Summary of change: भ	Table 1 is updated from test 6.1.2.7 until test 6.2.2.3
	 Two new conditions are created: C50 UEs supporting TDD and GSM and PLMN selection C56 UEs supporting TDD and GSM
Consequences if # not approved:	Inconsistences between TS 34.123-1 and TS 34.123-2
Clauses affected: #	Clause 4
Other specs अ	Other core specifications #
affected:	X Test specifications
	O&M Specifications

	L		
Other comments:	ж	Release 99 and Release 4 are affect	ted

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

Clause	Title	Release	Applicability	Comments
6.1.2.2	Cell reselection using Qhyst, Qoffset and	R99	C01	UEs supporting FDD
	Treselection		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	R99	C01	UEs supporting FDD.
	parameters for the H criterion		C02	UEs supporting TDD
6.1.2.5	HCS Cell reselection using reselection timing	R99	C01	UEs supporting FDD
	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
			<u>C210</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	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
			<u>C50</u>	UEs supporting TDD and GSM and PLMN selection
6.2.2.1	Cell reselection if cell becomes barred or S<0;	R99	C05	UEs supporting FDD and GSM
	UTRAN to GSM		<u>C56</u>	UEs supporting TDD and GSM
6.2.2.2	Cell reselection if cell becomes barred or	R99	C05	UEs supporting FDD and GSM
	C1<0; GSM to; UTRAN		<u>C56</u>	UEs supporting TDD and GSM
6.2.2.3	Cell reselection timings; GSM to UTRAN	R99	C05	UEs supporting FDD and GSM
			<u>C56</u>	UEs supporting TDD and GSM

< Next modification>

 C50
 IF A.20/37 AND A.1/4 AND (A.1/2 OR A.1/3) THEN R ELSE N/A

 C56
 IF (A.1/2 OR A.1/3) AND A.1/4 THEN R ELSE N/A

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¥	3	<mark>4.12</mark> 3	8-2	CR	037		ж	rev	ж	Current ve	ersion:	4.0.0	ж
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Proposed change a	ıffec	ets:	ж	(U)	SIM	ME	E/UE	X	Radio A	Access Netwo	ork	Core No	etwork
Title:	ж	Updat	ion o	of PICS	S/PIXIT f	or mea	surer	nent te	est cases				
Source:	ж	Motor	ola										
Work item code:	ж	TEI								Date:	<mark>ж</mark> 23	November	2001
Category:	ж	F								Release:	ж <mark>R</mark>	EL-4	
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Reason for change	e:	Ж <mark>Т</mark>	doc	<mark>Г1S-01</mark>	0335 pro	poses n	new T	raffic	Volume a	and Quality M	Measur	ement test c	ases.
Summary of chang	ge:			ability 10335.		ries are	e upd	ated fo	or new me	asurement te	est case	s proposed	by Tdoc
Consequences if not approved:		¥ 1	No e	ntries i	n applical	bility ta	able f	or Tra	ffic volun	ne and Quali	ty mea	surements.	
Clauses affected:		ж	Tab	<mark>le 1: A</mark>	.pplicabil	ity of te	ests						
Other specs affected:		¥	Τe	est spec	re specific cifications pecification	5		Ħ					
Other comments:		Ж 1	Appl	icable	to R99 an	d later	relea	ises					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: <u>http://www.3gpp.org/3G_Specs/CRs.htm</u>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://www.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4 Recommended test case applicability

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Comments

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Clause	Title	Release	Applicability	Comments
IDLE MODE				
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			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

Table 1: Applicability of tests

Clause	Title	Release	Applicability	Comments
			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	R99	C01	UEs supporting FDD
	Treselection		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	R99	C01	UEs supporting FDD.
	parameters for the H criterion		C02	UEs supporting TDD
6.1.2.5	HCS Cell reselection using reselection timing	R99	C01	UEs supporting FDD
	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
6.2.1.1	Selection of the correct PLMN and associated RAT	R99	C105	UEs supporting FDD 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
6.2.1.3	Selection of RAT for UPLMN; Manual mode	R99	C105	UEs supporting FDD 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
6.2.1.5	Selection of "Other PLMN / access technology combinations"; Manual mode	R99	C105	UEs supporting FDD 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
6.2.1.7	Selection of RAT for UPLMN; Automatic mode	R99	C105	UEs supporting FDD 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
6.2.1.9	Selection of "Other PLMN / access technology combinations"; Automatic mode	R99	C105	UEs supporting FDD 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
6.2.2.2	Cell reselection if cell becomes barred or C1<0; GSM to; UTRAN	R99	C05	UEs supporting FDD and GSM
6.2.2.3	Cell reselection timings; GSM to UTRAN	R99	C05	UEs supporting FDD and GSM
LAYER 2				
7.1.1	Permission to access the network	R99	[FFS]	All UEs [FFS]
7.1.2.1.1 7.1.2.1.2	Selection and control of Power Level (FDD) Selection and control of Power Level (3.84	R99 R99	C01 [FFS]	UEs supporting FDD [FFS]
7.1.2.1.3	Mcps TDD option) 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

Clause	Title	Release	Applicability	Comments
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]
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	R99	[FFS]	[FFS]
7.1.12.2	transmission 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 /	R99	R	All UEs
7.2.1.1	Segmentation and reassembly UM RLC / Segmentation and reassembly /	R99	R	
7.2.2.3	Selection of 7 or 15 bit Length Indicators		R	All UEs
-	UM RLC / Segmentation / 7-bit Length Indicators / Padding	R99		
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 Ll value UM RLC / Segmentation / 7-bit Length	R99 	R	All UEs All UEs
7.2.2.0	Indicators / LI value > PDU		R	
	UM RLC / Segmentation / 7-bit Length Indicators / First data octet LI	R99		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 Ll	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

Clause	Title	Release	Applicability		Comments
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	
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	R99	R	All UEs	
7.2.3.20	triggered polling (Timer_Poll_Periodic) 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	

Clause	Title	Release	Applicability	Comments
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
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
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
	OURCE CONTROL	Dee	001	
8.1.1.1 8.1.1.2	RRC / Paging for Connection in idle mode RRC / Paging for Connection in connected mode (CELL_PCH)	R99 R99	C01 C06	UEs supporting FDD. UEs supporting FDD 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.
8. 1.1.4	RRC / Paging for Notification in idle mode	R99	C01	UEs supporting FDD.
8.1.1.5	RRC / Paging for Notification in connected mode (CELL_PCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.1.1.6	RRC / Paging for Notification in connected mode (URA_PCH)	R99	C01	UEs supporting FDD.

Clause	Title	Release	Applicability	Comments
8.1.1.7	RRC / Paging for Connection in connected mode (CELL_DCH)	R99	C01	UEs supporting FDD.
8.1.1.8	RRC / Paging for Connection in connected mode (CELL_FACH)	R99	C01	UEs supporting FDD.
8.1.2.1	RRC / RRC Connection Establishment in CELL_DCH state: Success	R99	C01	UEs supporting FDD.
8.1.2.2	RRC / RRC Connection Establishment: Success after T300 timeout	R99	C01	UEs supporting FDD.
8.1.2.3	RRC / RRC Connection Establishment: Failure (V300 is greater than N300)	R99	C01	UEs supporting FDD.
8.1.2.4	RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0)	R99	C01	UEs supporting FDD.
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.
8.1.2.6	RRC / RRC Connection Establishment: Reject ("wait time" is set to 0)	R99	C01	UEs supporting FDD.
8.1.2.7	RRC / RRC Connection Establishment in CELL_FACH state: Success	R99	C01	UEs supporting FDD.
8.1.2.8	RRC / RRC Connection Establishment : Invalid system information message reception	R99	C01	UEs supporting FDD.
8.1.2.9	RRC / RRC Connection Establishment: Success after Physical channel failure, Invalid message reception and Invalid configuration	R99	C01	UEs supporting FDD.
8.1.3.1	RRC / RRC Connection Release in CELL_DCH state: Successful	R99	C01	UEs supporting FDD.
8.1.3.2	RRC / RRC Connection Release using on DCCH in CELL_FACH state: Successful	R99	C01	UEs supporting FDD.
8.1.3.3	RRC / RRC Connection Release using on CCCH in CELL_FACH state: Failure	R99	C01	UEs supporting FDD.
8.1.3.4	RRC / RRC Connection Release in CELL_FACH state: Failure	R99	C01	UEs supporting FDD.
8.1.3.5	RRC / RRC Connection Release in CELL_FACH state: Invalid message	R99	C01	UEs supporting FDD.
8.1.5.1	RRC / UE Capability in CELL_DCH state: Success	R99	C01	UEs supporting FDD.
8.1.5.2	RRC / UE Capability in CELL_DCH state: Success after T304 timeout	R99	C01	UEs supporting FDD.
8.1.5.3	RRC / UE Capability in CELL_DCH state: Falilure (After (N304+1) re-transmissions)	R99	C01	UEs supporting FDD.
8.1.5.4	RRC / UE Capability in CELL_FACH state: Success	R99	C01	UEs supporting FDD.
8.1.5.5	RRC / UE Capability in CELL_FACH state: Success after T304 timeout	R99	C01	UEs supporting FDD.
8.1.6.1	Direct Transfer in CELL_DCH state (invalid message reception)	R99	C01	UEs supporting FDD.
8.1.6.2	Direct Transfer in CELL_FACH state (invalid message reception and no signalling)	R99	C01	UEs supporting FDD.
8.1.7.1	RRC / Security mode control in CELL_DCH state	R99	C07	UEs supporting FDD and supporting UMTS Encryption Algorithm UEA1.
8.1.7.2	RRC / Security mode control in CELL_FACH state	R99	C07	UEs supporting FDD and supporting UMTS Encryption Algorithm UEA1.
8.1.8.1	RRC / Counter check in CELL_DCH state	R99	C01	UEs supporting FDD.
8.1.8.2	RRC / Counter check in CELL_FACH state	R99	C01	UEs supporting FDD.
8.1.9	RRC / Signalling Connection Release Request	R99	C01	UEs supporting FDD.
8.2.1.1	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Data integrity protection algorithm is not applied)	R99	C01	UEs supporting FDD.
8.2.1.2	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Effected Data integrity protection algorithm)	R99	C08	UEs supporting FDD and supporting UMTS Integrity Algorithm UIA1.

Clause	Title	Release	Applicability	Comments
8.2.1.3	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Unsupported configuration)	R99	C01	UEs supporting FDD.
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)	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: Failure (Physical channel Failure)	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)	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.

Clause	Title	Release	Applicability	Comments
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.
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.

Clause	Title	Release	Applicability	Comments
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.
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

Clause	Title	Release	Applicability	Comments
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	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.2.4.14	channel failure and reversion failure) 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.
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

Clause	Title	Release	Applicability	Comments
8.2.6.4	RRC / Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency): Failure	R99	C06	UEs supporting FDD and supporting PS bearer service
	(Physical channel failure and reversion failure)			
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	(Incomparation comparation 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.
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.

Clause	Title	Release	Applicability	Comments
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.
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:	R99	C01	UEs supporting FDD.

Clause	Title	Release	Applicability	Comments
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
8.3.8	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 measuremen 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

Clause	Title	Release	Applicability	Comments
8.4.1.13	RRC / Measurement Control and Report: Compressed Mode Configuration Failure during physical channel reconfiguration	R99	C01	UEs supporting FDD
	procedure			
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
<u>8.4.1.16</u>	RRC / Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL_FACH state	<u>R99</u>	<u>C01</u>	UEs supporting FDD
<u>8.4.1.17</u>	RRC / Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL_DCH state	<u>R99</u>	<u>C01</u>	UEs supporting FDD
<u>8.4.1.18</u>	RRC / Measurement Control and Report: Traffic volume measurement for transition from CELL_FACH state to CELL_DCH state	<u>R99</u>	<u>C06</u>	UEs supporting FDD and supporting PS bearer service.
<u>8.4.1.19</u>	RRC / Measurement Control and Report: Traffic volume measurement for transition	<u>R99</u>	<u>C06</u>	UEs supporting FDD and supporting PS bearer service.
<u>8.4.1.20</u>	from CELL_DCH to CELL_FACH state RRC / Measurement Control and Report: Traffic volume measurement in CELL_PCH	<u>R99</u>	<u>C06</u>	UEs supporting FDD and supporting PS bearer service.
<u>8.4.1.21</u>	state <u>RRC / Measurement Control and Report:</u> <u>Traffic volume measurement in URA_PCH</u> state	<u>R99</u>	<u>C06</u>	UEs supporting FDD and supporting PS bearer service.
8.4.1.22	RRC / Measurement Control and Report: Quality measurements	<u>R99</u>	<u>C01</u>	UEs supporting FDD
MOBILITY M	IANAGEMENT			l.
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
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

Clause	Title	Release	Applicability	Comments
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 CONT				•
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
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

Clause	Title	Release	Applicability	Comments
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
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

Clause	Title	Release	Applicability	Comments
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.
10.1.2.9.2	Outgoing call / U19 release request / 2 nd 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.

Clause	Title	Release	Applicability	Comments
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.
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.

Clause	Title	Release	Applicability	Comments
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.
	ANAGEMENT			
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.
	ITCHED MOBILITY MANAGEMENT			1
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).

Clause	Title	Release	Applicability	Comments
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.
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 / R4 only accepted R39 C88 UE supporting PS domain services (UE supports UE operation mode A). 12.4.2.4 Combined routing area updating / rejected / PLMN not allowed R39 C68 UE supporting PS domain services (UE supports UE operation mode A). 12.4.2.5.a Combined routing area updating / rejected / roaming not allowed in this location area R39 C68 UE supporting PS domain services UE upports UE operation mode A). 12.4.2.5.b Combined routing area updating / rejected / R39 C88 UE supporting PS domain services (UE supports UE operation mode A). 12.4.2.7.6 Combined routing area updating / abnormal cases / access barred due to access class Cases (access barred due to access class (UE operation mode A). UE operation mode A). 12.4.2.7.0 Combined routing area updating / abnormal cases / access / change of cell inno new routing area updating / abnormal cases / acces / change of cell inno new routing area updating / abnormal cases / acces / change of cell inno new routing area updating / abnormal cases / access / change of cell inno new routing area updating / abnormal cases / access / change of cell inno new routing area updating / abnormal cases / access / change of cell inno new routing area updating / abnormal cases / access / change of cell inno new routing area updating / abnormal cases / access / change of cell inno new routing area updating / abnormal cases / access / change of cell inno new routing area updating / accepted number and cases / access / change of cell inno new routing area updating / accepted number ac	Clause	Title	Release	Applicability	Comments
12.4.2.4 Combined routing area updating / rejected / reaming not allowed R99 C88 UE supporting PS domain services and CS domain services (UE supports pS domain services) 12.4.2.5.6 Combined routing area updating / rejected / reaming not allowed in this location area R99 C88 UE supporting PS domain services and CS domain services (UE supports pS domain services) 12.4.2.5.6 Combined routing area updating / rejected / R99 R99 C88 UE supporting PS domain services and CS domain services (UE supports control of combined routing area updating / abnormal cases / access barred due to access class control R99 C88 UE supporting PS domain services and CS domain services and CS domain services (UE supports control of combined routing area updating / abnormal cases / attempt counter check / procedure union area R99 C88 UE supporting PS domain services and CS domain services (UE supports control of ceases / attempt counter check / procedure collision 12.4.2.9 Combined routing area updating / abnormal cases / change of cell into ner vinong area updating / abnormal cases / change of cell into ner vinong area updating / abnormal cases / change of cell into ner vinong area updating / abnormal cases / PS doting area updating / accepted / R99 C12 UE supporting PS domain services undating / accepted / R99 12.4.3.1 Periodic routing area updating / accepted / R99 C12 UE supporting PS domain services undating / accepted / R99 C12 UE supporting PS domain services undatin services and CS dom	12.4.2.3		R99		and CS domain services (UE supports
12.4.2.5a Combined routing area updating / rejected / No Suitable Calls In 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 / abnormal cases / access berred due to access class control 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 bench: / proceeding access / access bench: / proceeding R99 C88 UE supporting PS domain services and CS domain services (UE supports UE operation mode A). 12.4.2.7 Combined routing area updating / abnormal 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 furing routing area updating procedure collision R99 C88 UE supporting PS domain services and CS domain services. 12.4.2.10 Combined routing area updating / abnormal cases / bhange oiell during routing area updating / accepted R99 C12 UE supporting PS domain services. 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 R99 C12 UE supporting PS domain services.<	12.4.2.4		R99	C88	UE supporting PS domain services and CS domain services (UE supports
No Suitable Cells In Location Area and CS domain services (UE supports) UE supporting PS domain services control 12.4.2.6 Combined routing area updating / abnormal cases / actess hared due to access class control R99 C88 UE supporting PS domain services and CS domain s	12.4.2.5a		R99	C88	UE supporting PS domain services and CS domain services (UE supports
cases / access barred due to access class and CS domain services (UE supports) 12.4.2.7 Combined routing area updating / abnormal cases / atempt counter check / procedure timeout R99 C88 UE supporting PS domain services (UE supports) 12.4.2.8 Combined routing area updating / abnormal cases / atempt counter check / procedure R99 C88 UE supporting PS domain services (uE supports) 12.4.2.9 Combined routing area updating / abnormal cases / change of cell duing routing area updating / abnormal cases / change of cell duing routing area updating / abnormal cases / PS decan procedure R99 C88 UE supporting PS domain services and CS domain services (UE supports) 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 R99 C12 UE supporting PS domain services. 12.4.3.3 Periodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Combined fouriding area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Combined fouridic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4	12.4.2.5b		R99	C88	and CS domain services (UE supports UE operation mode A).
cases / attempt counter check / procedure and CS domain services (UE supports) 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) updating procedure 12.4.2.9 Combined routing area updating / abnormal cases / change of cell during routing area updating / concedure R99 C88 UE supporting PS domain services (UE supports) updating procedures (UE supports) updating procedures (UE supports) updating procedure collision 12.4.2.10 Combined routing area updating / accepted R99 C12 UE supporting PS domain services. 12.4.3.1 Periodic routing area updating / accepted R99 C12 UE supporting PS domain services. 12.4.3.3 Periodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Deriodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Deriodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Deriodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.2 Deridotic routing	12.4.2.6	cases / access barred due to access class	R99	C88	and CS domain services (UE supports UE operation mode A).
cases / change of cell into new routing area and CS domain services (UE supports) 12.4.2.9 Combined routing area updating / abnormal cases / change of cell during routing area updating / abnormal cases / PS domain services (UE supports) UE supporting PS domain services (UE supports) 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) 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 Combined periodic routing area updating / no cell available R99 C12 UE supporting PS domain services. 12.5. P-TMSI reallocation R99 C12 UE supporting PS domain services. 12.6.1.3 GMM cause MAC failure ⁿ R99 C12 UE supporting PS domain services. 12.6.1.3.2 GMM cause MAC failure ⁿ R99 C12 UE supporting PS domain serv	12.4.2.7	cases / attempt counter check / procedure	R99	C88	and CS domain services (UE supports
12.4.2.9 Combined routing area updating / abnormal cases / change of cell during routing area updating / abnormal cases / PS detach procedure collision R99 C88 UE supporting PS domain services uad CS domain services (UE supports UE operation mode A). 12.4.2.10 Combined routing area updating / abnormal cases / PS detach procedure collision R99 C12 UE supporting PS domain services (UE supports UE supporting PS domain services (UE supports 2). 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. 12.4.3.4 Combined periodic routing area updating / no cell available / network mode 1 R99 C12 UE supporting PS domain services. 12.6.1 Authentication accepted R99 C12 UE supporting PS domain services. 12.6.1.2 Authentication accepted R99 C12 UE supporting PS domain services. 12.6.1.3 GMM cause 'MAC failure' R99 C12 UE supporting PS domain services. 12.6.1.3.4 GMM cause 'Spich failure' R99 C12 UE supporting PS domain services. 12.6.1.3.4 GMM cause 'Spich failure' R99	12.4.2.8		R99	C88	and CS domain services (UE supports
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 PS domain services (UE supports PS domain services, UE supporting PS domain services, T3312 default value 12.4.3.2 Periodic routing area updating / accepted / R99 C12 UE supporting PS domain services, available / network mode 1 12.4.3.3 Periodic routing area updating / no cell available / network mode 1 R99 C12 UE supporting PS domain services, and CS domain services (UE supports PS domain services) (UE supports PS domain services). 12.4.3.4 Combined periodic routing area updating / no cell available R99 C12 UE supporting PS domain services. 12.6.1 Authentication accepted R99 C12 UE supporting PS domain services. 12.6.1.3 GMM cause 'MAC failure' R99 C12 UE supporting PS domain services. 12.6.1.3.4 GhMM cause 'Synch failure' R99 C12 UE supporting PS domain services. 12.6.1.3.4 GMM RADY timer handling R99 C12 UE supporting PS domain services. 12.6.1.3.5 GMM READY timer handling R99 C12 UE supporting PS domain services. <tr< td=""><td>12.4.2.9</td><td>cases / change of cell during routing area</td><td>R99</td><td>C88</td><td>UE supporting PS domain services and CS domain services (UE supports</td></tr<>	12.4.2.9	cases / change of cell during routing area	R99	C88	UE supporting PS domain services and CS domain services (UE supports
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 / R99 C12 UE supporting PS domain services. 12.4.3.3 Periodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Combined periodic routing area updating / no cell R99 C12 UE supporting PS domain services. 12.4.3.4 Combined periodic routing area updating / no cell R99 C12 UE supporting PS domain services. 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 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. 12.8.1 Service Request Initiated by UE Procedure R99 C12 UE supporting PS domain services. 12.9	12.4.2.10	Combined routing area updating / abnormal	R99	C88	and CS domain services (UE supports
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 Combined periodic routing area updating / no cell available R99 C12 UE supporting PS domain services. 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. 12.6.1.3.1 GMM cause 'MAC faiure' R99 C12 UE supporting PS domain services. 12.6.1.3.1 GMM cause 'MAC faiure' R99 C12 UE supporting PS domain services. 12.6.1.3.2 GMM cause 'MAC faiure' R99 C12 UE supporting PS domain services. 12.6.1.3.3 GMM READY timer handling R99 C12 UE supporting PS domain services. 12.7.1 General Identification R99 C12 UE supporting PS domain services. 12.8.1 Service Request Initiated by UE Procedure R99 C12 UE supporting PS domain services. 12.9.1 Se	12.4.3.1	Periodic routing area updating / accepted	R99	C12	
12.4.3.3 Periodic routing area updating / no cell available / network mode 1 R99 C12 UE supporting PS domain services. and CS domain services (UE supports UE operation mode A). 12.4.3.4 Combined periodic routing area updating / no cell available R99 C12 UE supporting PS domain services. and CS domain services. 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 'MAC 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. 12.9.1 Service Request Initiated by UE Procedure R99 C12 UE supporting PS domain services. 12.9.2 Service Request / rejected / Illegal MS R99 C12	12.4.3.2	Periodic routing area updating / accepted /	R99		UE supporting PS domain services.
cell available and CS domain services. 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 '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. 12.8.1 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. 12.9.1 Service Request Initiated by Network R99 C12 UE supporting PS domain services. 12.9.2 Service Request / rejected / PS services not allowed R99 C12 UE supporting PS domain services. 12.9.4 Service Request / rejected / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.5 Service Request / rejected / No PDP context al	12.4.3.3	Periodic routing area updating / no cell	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. 12.9.1 Service Request Initiated by UE Procedure R99 C12 UE supporting PS domain services. 12.9.2 Service Request Initiated by Network 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 / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. <t< td=""><td>12.4.3.4</td><td>Combined periodic routing area updating / no</td><td>R99</td><td>C88</td><td>and CS domain services (UE supports</td></t<>	12.4.3.4	Combined periodic routing area updating / no	R99	C88	and CS domain services (UE supports
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 / 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 / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.6 Service Request / rejected / No PDP context allowed R99 C12 UE supporting PS domain services. <td>12.5</td> <td>P-TMSI reallocation</td> <td>R99</td> <td>C12</td> <td>UE supporting PS domain services.</td>	12.5	P-TMSI reallocation	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. 12.9.1 Service Request Initiated by UE Procedure R99 C12 UE supporting PS domain services. 12.9.2 Service Request Initiated by Network 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 / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.6 Service Request / rejected / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.7 Service Request / rejected / No Suitable Cells In Loccation Area R99 C12 <td>12.6.1.1</td> <td>Authentication accepted</td> <td>R99</td> <td>C12</td> <td>UE supporting PS domain services.</td>	12.6.1.1	Authentication accepted	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 / rejected / Illegal MS 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 / MS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.5 Service Request / rejected / No PDP context allowed R99 C12 UE supporting PS domain services. 12.9.7a Service Request / rejected / No Suitable Cells In Location Area R99 C12 UE supporting PS domain services. 12.9.7b Service Request / Abnormal cases / Access barred due to access class control R99 C12 </td <td>12.6.1.2</td> <td>Authentication rejected - by the network</td> <td>R99</td> <td>C12</td> <td>UE supporting PS domain services.</td>	12.6.1.2	Authentication rejected - by the network	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 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 / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.5 Service Request / rejected / NS identity cannot be derived by the network R99 C12 UE supporting PS domain services. 12.9.6 Service Request / rejected / No PDP context ativated R99 C12 UE supporting PS domain services. 12.9.7 Service Request / rejected / No Suitable Cells In Location Area R99 C12 UE supporting PS domain services. 12.9.7 Service Request / Abnormal cases / Access In Location Area	12.6.1.3.1	GMM cause 'MAC failure'	R99	C12	UE supporting PS domain services
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12.8GMM READY timer handlingR99C12UE supporting PS domain services.12.9.1Service Request Initiated by UE ProcedureR99C12UE supporting PS domain services.12.9.2Service Request Initiated by NetworkR99C12UE supporting PS domain services.12.9.3Service Request / rejected / Illegal MSR99C12UE supporting PS domain services.12.9.4Service Request / rejected / PS services not allowedR99C12UE supporting PS domain services.12.9.5Service Request / rejected / MS identity cannot be derived by the networkR99C12UE supporting PS domain services.12.9.6Service Request / rejected / NS identity cannot be derived by the networkR99C12UE supporting PS domain services.12.9.7aService Request / rejected / No PDP context activatedR99C12UE supporting PS domain services.12.9.7bService Request / rejected / No Suitable Cells In Location AreaR99C12UE supporting PS domain services.12.9.8Service Request / Abnormal cases / Access barred due to access class controlR99C12UE supporting PS domain services.12.9.9Service Request / Abnormal cases / Routing area update procedure is triggeredR99C12UE supporting PS domain services.12.9.10Service Request / Abnormal cases / Power off request procedure collisionR99C12UE supporting PS domain services.12.9.11Service Request / Abnormal cases / Service request procedure collisionR99C12UE supp	12.6.1.3.3	Authentication rejected by the UE / fraudulent	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 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 / MS identity 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 / No PDP context activated R99 C12 UE supporting PS domain services. 12.9.7a Service Request / rejected / No Suitable Cells In Location Area R99 C12 UE supporting PS domain services. 12.9.7b 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 / Power off R99 C12 UE supporting PS domain services. 12.9.9 Service Request / Abnormal cases / Power off R99 C12 UE supporting PS domain services. 12.9.10 Service Request / Abnormal cases	12.7.1	General Identification	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. 12.9.7b Service Request / Abnormal cases / Access barred due to access class control R99 C12 UE supporting PS domain services. 12.9.8 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.	12.8	GMM READY timer handling	R99	C12	UE supporting PS domain services.
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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 R99 C12 UE supporting PS domain services.	12.9.2		R99	C12	UE supporting PS domain services.
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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 request procedure collision R99 C12 UE supporting PS domain services.	12.9.7a		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 / Abnormal cases / Service R99 C12 UE supporting PS domain services.	12.9.7b	Service Request / rejected / No Suitable Cells	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.	12.9.8	Service Request / Abnormal cases / Access	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.	12.9.9	Service Request / Abnormal cases / Routing	R99	C12	UE supporting PS domain services.
12.9.11 Service Request / Abnormal cases / Service R99 C12 UE supporting PS domain services.	12.9.10		R99	C12	UE supporting PS domain services.
		Service Request / Abnormal cases / Service			
	GENERAL T			•	·

Clause	Title	Release	Applicability	Comments
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 BEA	RER 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 for DCCH	R99	C110	UEs supporting FDD 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"
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

Clause	Title	Release	Applicability	Comments
				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 DCCH	R99	C125	UE supporting FDD and reference radio bearer configuration "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

Clause	Title	Release	Applicability	Comments
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	TTI)" 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)"
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	R99	C144	UE supporting FDD and reference

Clause	Title	Release	Applicability	Comments
	kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH			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"
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	R99	C156	UE supporting FDD and reference

Clause	Title	Release	Applicability	Comments
	kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI			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)"
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)"

Clause	Title	Release	Applicability	Comments
	UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH / (CC, 20 ms TTI)			"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"
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"

Clause	Title	Release	Applicability	Comments
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"
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

Clause	Title	Release	Applicability	Comments
14.2.52.2	Conversational / unknown / UL:64 DL:64 kbps	R99	C186	DL:3.4 kbps SRBs for DCCH" UE supporting FDD and reference
	/ 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			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"
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	R99	C197	UE supporting FDD and reference

Clause	Title	Release	Applicability	Comments
	UL:64 DL:256 kbps / PS RAB / 10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH			"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"
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		0.5-5	
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.

Clause	Title	Release	Applicability	Comments
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.
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.

Clause	Title	Release	Applicability	Comments
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 EQUIP	MENT 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.

	CHANGE REQUEST					
ж	34.123-2 CR 038 * rev _ * C	urrent version: 4.0.0 [#]				
For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols.						
Proposed chang	e affects: # (U)SIM ME/UE X Radio Acce	ess Network Core Network				
Title:	# CR to RRC test case ICS update					
Source:	# Motorola and MCC Task 160					
Work item code	<mark>೫ TEI</mark>	Date:				
Category:	<mark>೫ F</mark>	Release: ೫ REL-4				
	Use <u>one</u> of the following categories: F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)				

3GPP TSG-T1 SIG #20 Cancun, Mexico, November 26 to 28, 2001

Reason for change: # Reflect the update of TS 34.123-1.

Cancun, Mexico, November 29 to 30, 2001

3GPP TSG-T1 #13

Summary of change: \%	 In the table of RRC tests, 8.3.7.6, 8.3.7.7, 8.3.7.8, 8.3.7.9, 8.3.7.9, 8.3.7.10, 8.3.7.11, 8.3.7.12 is added. Correction made to C97
Consequences if # not approved:	Inconsistency between TS 34.123-1 and TS 34.123-2
Clauses affected: #	Clause 4
Other specs # affected:	Other core specifications # Test specifications # O&M Specifications *
Other comments: #	Applicable to R99 and later releases

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: <u>http://www.3gpp.org/3G_Specs/CRs.htm</u>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://www.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.

T1-010439

T1S-010351

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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

R

The following notations are used for the applicability column:

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

Clause	Title	Release	Applicability	Comments
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
<u>8.3.7.6</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (L2 Establishment)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
<u>8.3.7.7</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (L1 Synchronization)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
<u>8.3.7.8</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (Invalid Inter-RAT message)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
<u>8.3.7.9</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (Unsupported configuration)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
<u>8.3.7.10</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (Reception by UE in CELL_FACH)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
<u>8.3.7.11</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (Invalid message reception)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
<u>8.3.7.12</u>	Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure)	<u>R99</u>	<u>C95</u>	UEs supporting FDD and GSM and supporting speech
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

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 OR A.4/22 OR A.4/23 OR A.4/24 OR A.4/25 OR A.4/26 OR A.4/27 OR A.4/28) 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.

		CHAN	IGE RE		Г	CR-Form-v4
^ж 3	<mark>4.123-1</mark>	CR 039	¥ (ev <mark> </mark> ¥	Current vers	^{iion:} 4.0.0 [⊮]
For <u>HELP</u> on u	sing this for	rm, see bottom	of this page	or look at t	he pop-up text	over the # symbols.
Proposed change a	affects: ೫	(U)SIM	ME/UE	K Radio A	Access Network	k Core Network
Title: ¥	Update of	Applicability st	atements fo	or GMM		
Source: ೫	SONY					
Work item code: Ж	TEI				Date: ೫	29 November 2001
Category: ⊮	F (con A (con B (add C (fun D (edi Detailed exp	the following cate rection) responds to a col lition of feature), ctional modification torial modification blanations of the a 3GPP <u>TR 21.900</u>	rrection in an on of feature n) above catego)	2	REL-4 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)
Reason for change		ecessary to upd stency with cont				
Summary of chang	fe:	le of clause 12.4.	3.4 in Table	l is corrected		
Consequences if not approved:	អ <mark>An in</mark>	consistency with	the test spec	cification is le	ft.	
Clauses affected:	¥ <mark>4</mark>					
Other specs affected:	Te	ther core specif est specification &M Specificatio	S	Ж		
Other comments:	<mark>೫ Affe</mark> d	cts R99 and RE	L-4.			

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- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

PACKET	SWITCHED	MOBIL	.ITY	MANA	AGEME	INT

		500	0.10	
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	R99	C12	UE supporting PS domain services.
	this location area			
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	R99	C12	UE supporting PS domain services.
	due to access class control			
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	R99	C12	UE supporting PS domain services.
	procedure collision			
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	R99	C88	UE supporting PS domain services
12.2.2.3	accepted Combined PS attach / PS attach while IMSI	R99	C103	and CS domain services. UE supports UE operation mode A
12.2.2.3	attach	K99	0103	and does not support automatic PS attach procedure at switch on.
12.2.2.4	Combined PS attach / rejected / IMSI invalid /	R99	C88	UE supporting PS domain services
	illegal ME			and CS domain services (UE supports UE operation mode A).
12.2.2.5	Combined PS attach / rejected / PS services	R99	C88	UE supporting PS domain services
	and non-PS services not allowed			and CS domain services (UE supports UE operation mode A).
12.2.2.6	Combined PS attach / rejected / PS services	R99	C88	UE supporting PS domain services
-	not allowed			and CS domain services (UE supports
				UE operation mode A).
12.2.2.7a	Combined PS attach / rejected / location area	R99	C88	UE supporting PS domain services
	not allowed			and CS domain services (UE supports
12.2.2.7b	Combined PS attach / rejected / No Suitable	R99	C88	UE operation mode A). UE supporting PS domain services
12.2.2.70	Cells In Location Area	1000	000	and CS domain services (UE supports
				UE operation mode A).
12.2.2.8	Combined PS attach / abnormal cases /	R99	C88	UE supporting PS domain services
	attempt counter check / miscellaneous reject			and CS domain services (UE supports
12.2.2.9	causes Combined PS attach / abnormal cases / PS	R99	C88	UE operation mode A). UE supporting PS domain services
12.2.2.3	detach procedure collision	133	000	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.
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	R99	C12	UE supporting PS domain services.
	procedure collision		0.2	
12.3.1.5	PS detach / power off / accepted	R99	C88	UE supporting PS domain services
				and CS domain services (UE supports
12.3.1.6	PS detach / accepted / PS/IMSI detach	R99	C211	UE operation mode A). UE supporting user requested
12.3.1.0	PS detach / accepted / PS/IMSI detach	K99	6211	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	R99	C211	UE supporting user requested
	into new routing area			combined circuit switch and packet switch detach without power off.
12.3.1.9	PS detach / abnormal cases / PS detach	R99	C211	UE supporting user requested
	procedure collision		02	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.
	PS detach / rejected / IMSI invalid / PS	R99	C12	UE supporting PS domain services.
12.3.2.2			000	
12.3.2.2	services not allowed PS detach / IMSI detach / accepted	P00	1.88	
	PS detach / IMSI detach / accepted	R99	C88	UE supporting PS domain services and CS domain services (UE supports
		R99	688	
12.3.2.2 12.3.2.3 12.3.2.4		R99 R99	C88	and CS domain services (UE supports

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	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 support: 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 support 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 support 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 support 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 support 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 support: 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 support UE operation mode A).
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 support 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 support UE operation mode A).
	Combined routing area updating / abnormal	R99	C88	UE supporting PS domain services
12.4.2.9	cases / change of cell during routing area		000	and CS domain services (UE support
12.4.2.9 12.4.2.10	cases / change of cell during routing area updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision	R99	C88	and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support
12.4.2.10	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision		C88	and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A).
12.4.2.10	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted /	R99 R99 R99		and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support
12.4.2.10 12.4.3.1 12.4.3.2	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell	R99	C88 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value	R99 R99	C88 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support
12.4.2.10 <u>12.4.3.1</u> 12.4.3.2 12.4.3.3 12.4.3.4	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available	R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support UE support UE support operation mode A).
12.4.2.10 <u>12.4.3.1</u> 12.4.3.2 12.4.3.3 12.4.3.4 12.5	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation	R99 R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support UE supporting PS domain services. UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3 12.4.3.4 12.5 12.6.1.1	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation Authentication accepted	R99 R99 R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88 C12 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3 12.4.3.4 12.5 12.6.1.1 12.6.1.2	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation Authentication rejected - by the network	R99 R99 R99 R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88 C88 C12 C12 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3 12.4.3.4 12.5 12.6.1.1 12.6.1.2 12.6.1.3.1	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation Authentication accepted Authentication rejected - by the network GMM cause 'MAC failure'	R99 R99 R99 R99 R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88 C88 C12 C12 C12 C12 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3 12.4.3.4 12.5 12.6.1.1 12.6.1.2 12.6.1.3.1 12.6.1.3.2	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation Authentication accepted Authentication rejected - by the network GMM cause 'MAC failure'	R99 R99 R99 R99 R99 R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88 C88 C12 C12 C12 C12 C12 C12 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services (UE support uE operation mode A). UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3 12.4.3.4 12.5 12.6.1.1 12.6.1.3.1 12.6.1.3.2 12.6.1.3.3	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation Authentication accepted Authentication rejected - by the network GMM cause 'MAC failure' Authentication rejected by the UE / fraudulent network	R99 R99	C88 C12 C12 C12 C12 C88 C12 C12 C12 C12 C12 C12 C12 C12 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services.
12.4.2.10 12.4.3.1 12.4.3.2 12.4.3.3 12.4.3.4 12.5 12.6.1.1 12.6.1.2 12.6.1.3.1 12.6.1.3.2	updating procedure Combined routing area updating / abnormal cases / PS detach procedure collision Periodic routing area updating / accepted Periodic routing area updating / accepted / T3312 default value Periodic routing area updating / no cell available / network mode I Combined pPeriodic routing area updating / no cell available P-TMSI reallocation Authentication accepted Authentication rejected - by the network GMM cause 'MAC failure' Authentication rejected by the UE / fraudulent	R99 R99 R99 R99 R99 R99 R99 R99 R99 R99	C88 C12 C12 C12 C12 C88 C88 C12 C12 C12 C12 C12 C12 C12 C12	 and CS domain services (UE support UE operation mode A). UE supporting PS domain services and CS domain services (UE support UE operation mode A). UE supporting PS domain services. UE supporting PS domain services. UE supporting PS domain services and CS domain services (UE support UE operation mode A). 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.

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CR-Form-v-								CR-Form-v4
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[#] TS 3	<mark>4.123-</mark> 2	2 CR <mark>040</mark>	же	v _	# Cι	urrent versi	ion: 4.0 .	. <mark>0</mark> [#]
For <u>HELP</u> on u	sing this f	orm, see bottom	of this page	or look a	at the p	op-up text	over the ¥	symbols.
Proposed change	affects: a	₭ (U)SIM	ME/UE X	Radi	o Acces	ss Network	Core	Network
Title: ೫	Update	of applicability of	interoperbili	ty radio	bearers	s for FDD.		
Source: ೫	Ericsso	า						
Work item code: ₩	TEI					Date: ೫	2001-11-2	26
Category: ೫	<i>F</i> (co <i>A</i> (c <i>B</i> (a <i>C</i> (fu <i>D</i> (e Detailed e	of the following cate orrection) orresponds to a col ddition of feature), unctional modification ditorial modification explanations of the a n 3GPP <u>TR 21.900</u>	rrection in an on of feature)) above catego			2 R96 R97 R98 R99 REL-4	REL-4 the following (GSM Phase (Release 19 (Release 19 (Release 19 (Release 19 (Release 4) (Release 5)	e 2) 96) 97) 98)
Reason for change	e: ೫ <mark>Inco</mark>	rrect applicability	stated for ra	adio bea	rer com	binations i	in items 45	to 48 in
Summary of chang	table ge: 郑 Cha table	e A.18c.	of referenc	e radio b	bearer c	combinatio	ns in items	45 to 48 of
Consequences if not approved:	# Inc	orrect radio bear	er test cases	5				
Clauses affected:	Ж <mark>А.</mark> 4	1.3.3.1						
Other specs affected:		Other core specif Test specification O&M Specificatio	S	ж				
Other comments:	ж <mark>R</mark> 9	9 and REL-4						

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: <u>http://www.3gpp.org/3G_Specs/CRs.htm</u>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

T1-010441

T1S-010263

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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	DL Max TB bits	Maximum sum of number of bits of all transport blocks being received at an
channel		arbitrary time instant
parameters in	DL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks
downlink		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	UL Max TB bits	Maximum sum of number of bits of all transport blocks being transmitted at an
		arbitrary time instant
parameters in uplink	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.

lte	FDD interoperability radio	Ref.	Applicat		Comments
m	bearer configuration for combination on DPCH		(Minimum UE ra		
	combination on DPCH		capabil		
			Parameter	Value	
1	Stand-alone UL:1.7 DL:1.7 kbps		DL Max TB bits	640	
	SRBs for DCCH	6.10.2.4.1.1	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	SF512 = Yes	
			radio access		
			capability		
2	Stand-alone UL:3.4 DL:3.4 kbps	34.108	DL Max TB bits	640	
2	SRBs for DCCH	6.10.2.4.1.2	DL Max CC TB bits	640	
		0.10.2.7.1.2	DL Max TC TB bits	N/A	
	I	I		IN/A	I

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra	adio access	Comments
	combination on DPCH		capabil		
			Parameter	Value	
			DL Max TrCHs	4	
			DL Max CCTrCH DL Max TTI TB	1 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	None	
			radio access capability		
			Sapability		
3	Stand-alone UL:13.6 DL:13.6	34.108	DL Max TB bits	640	
	kbps SRBs for DCCH	6.10.2.4.1.3	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 UL Max TC TB bits	640 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	None	
			radio access		
			capability		
4	Conversational / speech /	34.108	DL Max TB bits	640	
-	UL:12.2 DL:12.2 kbps / CS RAB		DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	N/A	
	DCCH		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 UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	N/A	
			Other required UE	None	
			radio access		
			capability		
5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB	34.108 6.10.2.4.1.5	Same as for item 4.		
	+ UL:3.4 DL:3.4 kbps SRBs for DCCH				
6	Conversational / speech /	34.108	Same as for item 4.		
	UL:7.95 DL:7.95 kbps / CS RAB	6.10.2.4.1.6			
	+ UL:3.4 DL:3.4 kbps SRBs for				
	DCCH				

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
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 /	34.108	DL Max TB bits	2560	
	UL:28.8 DL:28.8 kbps / CS RAB	6.10.2.4.1.12	DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for DCCH		DL Max TC TB bits	1280	
			DL Max TrCHs	4	
			DL Max CCTrCH DL Max TTI TB	1 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 UL Max TFS	4 8	
			UL Max TF	32	
			UL TC	Y	
			Other required UE radio access capability	None	
13.1	Conversational / unknown /	34.108	DL Max TB bits	2560	
	UL:64 DL:64 kbps / CS RAB +	6.10.2.4.1.13	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	1280	
	DCCH / 20 ms TTI		DL Max TrCHs	4	
			DL Max CCTrCH DL Max TTI TB	1	
			DL Max TFS	4	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	2560	
			UL Max CC TB bits	640	
			UL Max TC TB bits	1280 4	
			UL Max TrCHs UL Max TTI TB	4	
			UL Max TFS	8	
			UL Max TF	32	
			UL TC	Y	
			Other required UE radio access capability	None	
	Conversational / unknown /	34.108	DL Max TB bits	3840	
13.2		0 40 0 4 4 40	DL Max CC TB bits	640	
13.2	UL:64 DL:64 kbps / CS RAB +	6.10.2.4.1.13			
13.2	UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for	6.10.2.4.1.13	DL Max TC TB bits	2560	
13.2	UL:64 DL:64 kbps / CS RAB +	6.10.2.4.1.13	DL Max TC TB bits DL Max TrCHs	4	
13.2	UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for	6.10.2.4.1.13	DL Max TC TB bits		

te m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra	adio access	Comments
	combination on DPCH		capabil		
			Parameter	Value	
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits UL Max CC TB bits	3840 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	None	
			radio access	Nono	
			capability		
14.1	Conversational / unknown /	34.108	DL Max TB bits	1280	
	UL:32 DL:32 kbps / CS RAB +	6.10.2.4.1.14	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	640	
	DCCH / 20 ms TTI		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 UL Max TFS	4 8	
			UL Max TF	o 32	
			UL TC	Yes	
			Other required UE	None	
			radio access capability	None	
14.2		34.108	DL Max TB bits	2560	
	UL:32 DL:32 kbps / CS RAB +	6.10.2.4.1.14	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	1280	
	DCCH / 40 ms TTI		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 UL Max TFS	4	
			UL Max TFS	8 32	
			UL Max TF	32 Yes	
			Other required UE	Yes None	
			radio access capability	None	
15	Streaming / unknown /	34.108	DL Max TB bits	1280	
	UL:14.4/DL:14.4 kbps / CS RAB	6.10.2.4.1.15	DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	640	
	DCCH		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 UL Max TC TB bits	640 640	

Image: Construction of Cr String Parameterization of Value UL Max TCP1s 2 UL Max TCP1s 4 UL Max	lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicak (Minimum UE ra capabil	adio access	Comments
Image: second						
UL. Max TT TFS 2 UL. Max TTFS 4 UL. Max TFS 4 UL. 34.07U.28.8 Mbps / CS RAB 6.10.2.4.1.16 DL. Max TD bits 2560 DL. Max TC TB bits 1280 DL. Max TC TB bits 1280 DL. Max TC TB bits 1280 DL. Max TT 32 10. DL. Max TT 32 10. DL. Max TT 32 10. UL. Max TG bits 1280 UL. Max TG TB bits 1280 UL Max TG TB bits 1280 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
UL. Max TF: 32 UL. Max TF: 32 UL. TC: Yes Other required UE radio access capability None 16 Streaming / unknown / UL.28.40L:2						
UL TC Yes Other required UE None 16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB UL:28.8/DL:28.4 kbps SRBs for DCCH 34.108 DL Max TB bits 2560 17 Streaming / unknown / UL:34.4 kbps SRBs for DCCH DL Max TC TB bits 640 10. Max TC TB bits 2560 DL Max TC TB bits 640 11 Streaming / unknown / UL:37.6/DL:57.6 kbps / CS RAB + UL:3.4 kbps SRBs for DC Max TF 16 DL Max TC TB bits 2600 117 Streaming / unknown / UL:37.6/DL:57.6 kbps / CS RAB + UL:3.4 LD:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 117 Streaming / unknown / UL:37.6/DL:57.6 kbps / CS RAB + UL:3.4 LD:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 118 Streaming / unknown / UL:0 DL Max TC TB bits 2560 DL Max TC TB bits 2600 118 Streaming / unknown / UL:0 DL:4 kbps / CS RAB + UL:3.4 34.108 DL Max TC TB bits 2600 118 Streaming / unknown / UL:0 DL:Max TC TB bits 2600 DL Max TC TB bits 2600 118 Streaming / unknown / UL:0 DL:Max TC TB bits 34.108 DL:Max TC TB bits 3640						
16 Streaming / unknown / UL:28.8/DU:28.8 kbps /CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 16 Streaming / unknown / UL:28.8/DU:28.8 kbps /CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH DL Max TC TB bits 1280 17 Streaming / unknown / UL:37.6/DL:57.6 kbps /CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TB bits 2560 18 Streaming / unknown / UL:0 DL:44 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TB bits 2560 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TB bits 3840 19 Max TC TB bits 2660 DL Max TF B bits 2660 10 Max TF TB bits 2660 118 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:Max TT TB bits 3840 118 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:Max TT TB bits 3640					32	
16 Streaming / unknown / UU:28,8/DL:28.4 kbps SRBs for DCCH 34.108 0.10.4x TB bits 2660 11 UU:28,9/DL:28.4 kbps SRBs for DCCH 50.10.2.4.1.16 DL Max TC TB bits 640 11 UU:28,9/DL:28.4 kbps SRBs for DCCH 16 DL Max TC TB bits 2860 12 UL Max TG TB bits 2860 DL Max TC TB bits 2860 13 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB 41.08 TT B 4 14 UL Max TG TB bits 2860 UL Max TG TB bits 2860 14 UL Max TG TB bits 2860 UL Max TG TB bits 2860 15 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB 61.0.2.4.1.17 DL Max TG TB bits 2660 16 UL Max TB bits 2560 DL Max TG TB bits 640 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.				UL TC	Yes	
Image:					None	
UL:28.0D.28.4 kbps / CS RAB 6.10.2.4.1.16 DL Max TC TB bits 120 DCCH DL Max TC TB bits 140 14.14 DL Max TC TB bits 160 11 11.14 DL Max TF S 16 11.14 11.16 DL Max TF S 16 11.14 11.14 11.14 DL Max TF S 16 11.14 11.14 11.14 DL Max TF S 16 11.14 11.14 11.14 DL Max TF S 16 11.14 11.14 11.14 11.14 DL Max TF S 16 11.14 11.14 11.14 11.14 11.14 UL Max TF S 16 11.14 11.16 11.16 11.16 11.16 UL Max TF S 16 11.16						
+ UL:3.4 kbps SRBs for DCCH DL Max TC TE bits 1280 DC.H DL Max TC TE bits 1280 DL Max TT TT TE 4 1 DL Max TF 32 1 DL Max TF 32 1 DL Max TT B bits 168 640 UL Max TE bits 168 640 UL Max TF 32 1 UL Max TG TB bits 1280 1 Max TF 32 1 UL S7.6/DL 57.6 kbps / CS RAB 6.10.2.4.1.17 10. Max TC TB bits 2560 DC H 2560 10. Max TC TB bits 2560 DC H 2560 10. Max TC TB bits 2560 DL Max TF 32 1 1 10. Max TC TB bits 2560 UL Max TFS 16 1 1.0. Max TG TB bits 2560 UL Max TFS 16 1 1.0. Max TG TB bits 2560 UL Max TF 32 1.0. Max TG TB bits 2660 <td< td=""><td>16</td><td></td><td></td><td></td><td></td><td></td></td<>	16					
DCCH DL Max TCHS 4 DL Max TFS 16 DL Max TFS 17 Streaming / unknown / 11 UL S7.6/DL:57.6 kbps / CS RAB 6.10.2.4.1.17 DCH Wax TFS 8 UL C7 Yes DCH Wax TFS 8 UL TC Yes UL TC Yes UL TC Yes Oher required UE None radio access capability 17 Streaming / unknown / 0.1.04.1.17 DL GA KDCTB bits 2560 DL Max TFS 16 DL Max TFS 16 DL Max TFS 16 DL Max TF 32 DL TC Yes UL Max TF 32 DL TC Yes <td></td> <td></td> <td>0.10.2.1.1.10</td> <td></td> <td></td> <td></td>			0.10.2.1.1.10			
18 Streaming / unknown / UL:0 34.108 DL Max TFS 16 11 DL Max TFS 16 DL Max TFS 16 17 Streaming / unknown / UL:0 34.108 DL Max TFS 8 17 Streaming / unknown / UL:0 34.108 DL Max TFS 8 10 Max TFS 16 DL Max TFS 17 Streaming / unknown / UL:0 6.10.2.4.1.17 DL Max TFS 8 10 Max TFS 16 DL Max TFS 16 18 Streaming / unknown / UL:0 6.10.2.4.1.18 DL Max TF 32 DL Max TF 32 18 Streaming / unknown / UL:0 34.108 DL Max TF 32 DL DL 19 DL Max TF 32 16 DL DL Max TF 32 DL 10 LMax TF 32 DL TG Tb bits 2560 DL Max TF 32 DL DL Max TF 32 DL DL Max TF 32 DL DL Max TF 32 DL Max TF 32 DL Max TF 32 DL						
18 DL Max TFS 16 DL Max TFS 1260 UL Max TB bits 2560 UL Max TC TB bits 1280 UL Max TC TB bits 1280 UL Max TT TB 4 UL Max TT TB 4 UL Max TTFS 8 UL Max TG TB bits 2560 DL Max TD TB 8 DL Max TG TB bits 2560 DL Max TTTB 4 UL Max TTTB 8 DL Max TTTB 10 DL Max TTTB 16 DL Max TTS 16 DL Max TTTB 16 DL M					1	
18 Streaming / unknown / UL:0 DL-64 ktps / CS RAB + UL:3.4 34.108 18 Streaming / unknown / UL:0 DL-64 ktps / CS RAB + UL:3.4 34.108 18 Streaming / unknown / UL:0 DL-64 ktps / CS RAB + UL:3.4 34.108 19 DL-Max TF 16 10 LMax TF 2560 11 Streaming / unknown / UL:57.6/DL:57.6 ktps / CS RAB 34.108 10 LMax TF 2560 11 DL-Max TC TB bits 2560 12 UL:57.6/DL:57.6 ktps / CS RAB 61.0.2.4.1.17 11 DL-Max TC TB bits 2560 12 DL-Max TC TB bits 2560 13 Streaming / unknown / UL:0 DL Max TT TB 16 14 DL-Max TT TB 8 15 DL-Max TT TB 16 16 DL Max TT TB 16 17 Streaming / unknown / UL:0 DL-64 ktps / CS RAB + UL:3.4 10.1 Max TC TB bits 16 DL-3.4 ktps SRBs for DCCH 16 17 DL-64 ktps / CS RAB + UL:3.4 10.1 Max TC TB bits 18 Streaming / unknown / UL:0 DL-64 ktps / CS RA				DL Max TTI TB	4	
18 Streaming / unknown / UL:0 34.108 0.1 CC Yes 17 Streaming / unknown / UL:57.67DL:57.6 kbps / CS RAB + UL:34.0L:34.0L:34.kbps SRBs for DCCH 34.108 0.1 Max TC TB bits 2560 17 Streaming / unknown / UL:57.67DL:57.6 kbps / CS RAB + UL:34.0L:34.kbps SRBs for DCCH 34.108 0.1 Max TC TB bits 2560 10. Max TC TB bits 2560 0.1 Max TC TB bits 2560 117 Streaming / unknown / UL:37.67L:57.6 kbps / CS RAB + UL:37.4 DL:34.kbps SRBs for DCCH 0.1 Max TC TB bits 2560 118 Streaming / unknown / UL:0 0.1 Max TC TB bits 2560 118 Streaming / unknown / UL:0 0.4.108 0.1 Max TC TB bits 2560 118 Streaming / unknown / UL:0 0.4.108 0.1 Max TC TB bits 3440 118 Streaming / unknown / UL:0 0.4.108 0.1 Max TC TB bits 3440 119 DL:64 kbps / CS RAB + UL:3.4 DL:34. kbps SRBs for DCCH 0.1 Max TC TB bits 3440 119 DL:Max TC TB bits 3440 0.1 Max TC TB bits 3440 110 DL:Max TC TB bits 3440 0.1 Max TC TB bits 3						
18 Streaming / unknown / UL0 34.108 6.10.2.4.1.17 0.L Max TC B bits 2860 17 Streaming / unknown / UL0 34.108 0.L Max TT B bits 2560 17 Streaming / unknown / UL0 34.108 0.L Max TT B bits 2560 17 Streaming / unknown / UL0 34.108 0.L Max TB bits 2560 17 UL:57.6 kbps / CS RAB 6.10.2.4.1.17 DL Max TC TB bits 2560 18 Streaming / unknown / UL0 DL Max TC TB bits 2560 19 UL Max TT TS 16 11 10 LMax TT TS 16 118 Streaming / unknown / UL0 34.108 0.L Max TT TB 129 DL-3.4 kbps SRBs for DCCH 54.102 11.08 130 Streaming / unknown / UL0 34.108 0.L Max TT TS 141 Streaming / unknown / UL0 0.L Max TT TB 32.00 120 UL Max TT TB 16 0.0 131 Streaming / unknown / UL0 54.108 0.102.4.1.18 132 Streaming / unknown / UL0 0.L Max TG TB bits 3260 121 UL Max TT TB 16 0.1 123 LMax TG TB bits 3260 124 D.LMax TG TB bits 3260						
18 Streaming / unknown / UL:0 34.108 DL Max TC TB bits 2400 17 Streaming / unknown / UL:57.60 kbps / CS RAB 34.108 DL Max TT B 2 17 Streaming / unknown / UL:57.60 kbps / CS RAB 6.10.2.4.1.17 DL Max TC TB bits 2560 DCH TC TB bits 2560 DL Max CT TB bits 2560 DCH TT B bits 2560 DL Max CT TB bits 2560 DL Max TC TB bits 2560 DL Max CT TC Hs 4 DL Max TC TB bits 2560 DL Max TT B bits 2560 DL Max TT TB 8 DL Max TT B bits 2560 DL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT B bits 260 UL Max TT B bits 2560 UL Max TT B bits 260 UL Max TT B bits 26						
17 Streaming / unknown / UL: 57.6/DL:57.6 kbps / CS RAB + UL:34. bL:34. kbps SRBs for DCCH 34.108 0.1.02.4.1.17 DLMax TF 32 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:34. bL:34. kbps SRBs for DCCH 34.108 DLMax TB bits 2560 10 DL:37. kbps / CS RAB + UL:34. kbps SRBs for DCCH 64.02 DLMax TC TB bits 2560 10 Max TFS 16 DLMax CC TB bits 640 11 DL:37. kbps SRBs for DCCH DLMax TC TB bits 2560 12 DL Max TC TB bits 2560 13 Streaming / unknown / UL:0 UL Max TF 32 14 DL:34. kbps SRBs for DCCH 54.108 DLMax TC TB bits 18 Streaming / unknown / UL:0 34.108 DLMax TC TB bits 3840 15 Streaming / unknown / UL:0 54.102.41.118 DLMax TC TB bits 3840 16 DL Max TC TB bits 3840 DLMax TC TB bits 3840 16.10.2.4.1.18 DL Max TT Bits 3840 DLMax TC TB bits 640 10 Max TC TB bits 16 DLMax TC TB bits <						
UL Max TrCHs 4 UL Max TT 34 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB DCCH 34.108 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB DCCH 34.108 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB DCCH 34.108 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH 34.108 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH 34.108 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH 34.108 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH 34.108 19 DL:34 kbps SRBs for DCCH DL Max TC B bits See note 34.108 10 Max TC B bits DL Max TC B bits See note 34.108 10 Max TC B bits See note 34.108 118 Streaming / unknown / UL:0 DL:04 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH DL Max TC B bits See 12 UL Max TC B bits See 34.108 13 DL:04 kbps / CS RAB + UL:34 DL:04 kbps / CS RAB + UL:34 DL:						
17 Streaming / unknown / UL:57.6/DL:57.6 ktps / CS RAB + UL:34. DL:34. ktps SRBs for DCCH 34.108 0L Max TF 32. UL TC Yes 17 Streaming / unknown / UL:57.6/DL:57.6 ktps / CS RAB + UL:34. DL:34. ktps SRBs for DCCH 34.108 0L Max TB bits 2560 10 DL:34. ktps SRBs for DCCH 0L Max TC TB bits 2560 10 Max TC TB bits 2560 11 DL Max TC TB bits 2560 12 DL Max TC TB bits 2560 13 Streaming / unknown / UL:0 DL Max TC TB bits 2560 14 DL:34. ktps SRBs for DCCH 34.108 0L Max TC TB bits 2560 14 DL:34. ktps SRBs for DCCH 34.108 0L Max TC TB bits 2560 15 DL:34. ktps SRBs for DCCH 54.102.41.18 0L Max TC TB bits 2560 16 DL.44. ktps / CS RAB + UL:34 6.10.2.41.18 0L Max TC TB bits 260 16 DL.64. ktps / CS RAB + UL:34 6.10.2.41.18 0L Max TC TB bits 260 10. Max TC TB bits 2560 0L Max TC TB bits 260 0L Max TCHs 16 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:37.4/DL:34 bbps SRBs for DCCH 34.108 0L Max TB bits 2560 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:34 bL:34 bbps SRBs for DCCH 34.108 0L Max TB bits 2560 10 Max TC TB bits 560 11 DL Max CC TB bits 640 12 Max TC TB bits 2560 13 Streaming / unknown / UL:0 34.108 14 DL:64 kbps / CS RAB + UL:3.4 34.108 15 Streaming / unknown / UL:0 34.108 16 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 17 See note 34.108 18 Streaming / unknown / UL:0 34.108 19 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 10 LMax TC TB bits 3840 11 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 12 Max TC TB bits 3840 13 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 14 DL Max TC TB bits 3840 15 DL Max TC TB bits 3840 16 DL Max TC TB bits 3840 17 DL Max TC TB bits 16 16 DL Max TC TB bits 16 17 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TB bits 2560 17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 bL:3.4 kbps SRBs for DCCH 34.108 DL Max CC TB bits 640 10 Max CC TB bits 2560 DL Max TC TB bits 2560 11 DL Max TTF 16 DL Max TFS 16 12 Max TG TB bits 2560 UL Max TF 32 13 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:34 kbps SRBs for DCCH 34.108 DL Max TTC TB bits 2660 14 Btreaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:34 kbps SRBs for DCCH 34.108 DL Max TB bits 2560 16 DL Max TTB 16 UL Max TC TB bits 2600 18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:34 kbps SRBs for DCCH 34.108 DL Max TB bits 3840 18 Streaming / unknown / UL:0 DL:34 kbps SRBs for DCCH 34.108 DL Max TC TB bits 340 19 DL Max TT Bits 16 DL Max TC TB bits 2560 10 Max TT Bits 16 DL Max TT Bits 16 11 DL Max TT Bits 16 DL Max TT Bits 16 12 DL Max TT Bits 16						
17 Streaming / unknown / 34.108 DL Max TB bits 2560 17 UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 bL:3.4 kbps SRBs for DCCH 34.108 DL Max TC TB bits 2560 10 Max TC TB bits 2560 DL Max TC TB bits 2560 10 Max TC TB bits 2560 11 UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 kbps SRBs for DCCH 6.10.2.4.1.17 DL Max TC TB bits 2560 12 Max TC TB bits 2560 DL Max TC TB bits 2560 14 DL Max TC TB bits 2560 DL Max TC TB bits 2560 15 DL Max TC TB bits 2560 UL Max TF 32 16 DL Max TC TB bits 2560 UL Max TC TB bits 2560 17 UL Max TF 16 UL Max TC TB bits 2560 14 Max CC TB bits 2560 UL Max TC TB bits 260 15 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 DL Max TC TB bits 3840 16 DL:34 kbps SRBs for DCCH See note 34.108 DL Max TC TB bits 260 16 DL Max TC TB bits 260 DL Max TC TB bits 260 DL Max TC TB bits 260 17 DL Max CC TB bits 640 DL Max TC TB bits 260						
17 Streaming / unknown / UL:57.6 kDb; 57.6 kDps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 34.108 DL Max TB bits 2560 17 UL:57.6 kDb; 57.6 kDps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH 0L Max TC TB bits 2560 DC H DL Max TC TB bits 2560 UL Max TF S 16 DL Max TF S 16 DL Max TT TB bits 2560 UL Max TC TB bits 2560 UL Max TT TB bits 2560 UL Max TT B bits 2560 UL Max TT B bits 2560 UL Max TT TB bits 260 DL:64 kbps / CS RAB + UL:34 DL Max TC TB bits See note 6.10.2.4.1.18 DL Max TC TB bits DL Max TT TB bits 2560 UL Max TT TB bits 260 UL Max TT TB bits<						
17Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.108 6.10.2.4.1.17DL Max TB bits2560 DL Max TC TB bits17UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH6.10.2.4.1.17DL Max CC TB bits640 DL Max TC TB bits18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.108 6.10.2.4.1.18DL Max TF32 DL TC18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.108 6.10.2.4.1.18DL Max TC TB bits DL Max TF3840 DL Max TC TB bits DL Max TC TB bits DL Max TF18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.108 6.10.2.4.1.18DL Max TC TB bits DL Max TFS DL TC DL Max TFS DL TC DL Max TFS DL TC DL Max TFS DL TC DL Max TF S2 DL TC DL Max TF S2 DL TC DL Max TF S2 DL TC DL Max TF S4 DL Max TF S4 DL Max TFS DL TC DL Max TFS <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
UL:57.6 KDp:57.6 kbps / CS RAB 6.10.2.4.1.17 DL Max CC TB bits 260 UL:3.4 bL:3.4 kbps SRBs for DL Max TC TB bits 260 DCH DL Max TC TB bits 240 DL Max TC TB bits 240 DL Max TC TB bits 240 DL Max TF 32 DL TT TB 8 DL Max TF 32 DL Max TC TB bits 2560 UL Max TF 32 DL TC Yes UL Max TF TB 8 UL Max TF TB 16 UL Max TF TB 16 UL Max TF TB 16 UL Max TF TB 32 UL TC Yes Other required UE radio access 70 DL:34 kbps SRBs for DCCH 5640 See note 34.108 DL Max TC TB bits 3840 DL:34 kbps SRBs for DCCH 10 See note 0L Max TF 32 DL Max TF 16 DL Max TF 16				radio access		
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+ UL:3.4 DL:3.4 kbps SRBs for DCCH DL Max TC TB bits 2560 DL Max TrCHs 4 DL Max CTCH 1 DL Max TrCHs 4 DL Max TrCHs 4 DL Max TrCHs 16 DL Max TFS 16 DL Max TFS 16 DL Max TFS 640 UL Max TB bits 2560 UL Max TC TB bits 2560 UL Max TFS 16 UL Max TT TB 8 UL Max TC TB bits 2560 UL Max TTCHs 4 UL Max TFS 16 UL Max TFS 16 UL Max TFS 16 UL Max TFS 16 UL Max TFS 16 UL Max TFS 16 UL Max TFS 16 UL Max TT B bits 3840 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 DL Max TC TB bits 640 See note 6.10.2.4.1.18 DL Max TC TB bits 640 DL Max TFS 16 DL Max Tr B bits 10 IL Max TFS 16 DL Max TC TB bits 640 DL Max TFS 16 DL Max TFS 16 DL Max TFS 16 DL Max TFS 16<	17					
DCCH DL Max TrCHs 4 DL Max CCTrCH 1 DL Max TTI TB 8 DL Max TF 32 DL TC Yes UL Max TD bits 2560 UL Max TC TB bits 2560 UL Max TC TB bits 2560 UL Max TC TB bits 2560 UL Max TFS 16 UL TC Yes Other required UE radio access capability None 18 Streaming / unknown / UL:0 34.108 DL:64 kbps / CS RAB + UL:3.4 6.10.2.4.1.18 DL Max TC TB bits 3840 DL:3.4 kbps SRBs for DCCH 6.10.2.4.1.18 DL Max TC TB bits 640 DL Max TCTB 16 DL Max TCH 4 DL Max TCH 4 DL Max TFS 16 DL Max TFS 16 DL Max TFS 16 DL Max TF 32 UL Max TF 32 UL Max TC TB bits <td></td> <td></td> <td>0.10.2.4.1.17</td> <td></td> <td></td> <td></td>			0.10.2.4.1.17			
Image: DL Max CCTrCH 1 DL Max TFS 16 UL Max TB bits 2560 UL Max TC TB bits 2560 UL Max TCTB bits 2560 UL Max TTCHS 4 UL Max TFS 16 UL TC Yes Other required UE radio access capability None 8 6.10.2.4.1.18 DL Max TC TB bits 3840 DL:3.4 kbps SRBs for DCCH 56.10.2.4.1.18 DL Max CC TB bits 640 DL Max TTCHS 4 1 1 1 DL Max TTS 16 1 1 1 DL Max TTS 1						
DL Max TTI TB8DL Max TFS16DL Max TF32DL TCYesUL Max CT B bits2560UL Max TC Bb its2560UL Max TC Bb its2560UL Max TC Bb its2560UL Max TF B16UL Max TF32UL Max TF34.108DL:64 kbps / CS RAB + UL:3.46.10.2.4.1.18DL:3.4 kbps SRBs for DCCH6.10.2.4.1.18See noteDL Max TC TB bitsSee note10UL Max TF32UL Max TF32UL Max TC TB bits1280UL Max TC TB bits640UL Max TF32UL Max TC TB bits640UL Max TC TB bits640UL Max TF2UL Max TFS4UL Max TFS						
18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:34 Be note34.108DL Max TF bits JE. 102 CTB bits JE. 102 CTB bits34.10818Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH34.108DL Max TB bits JE. 102 CTB bits34.10818DL Max TT TB CT B bitsDL Max TF SER34.108DL Max TB bits SER384019DL:64 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCHSee noteDL Max TC TB bits DL Max TC TB bits3840 SER19DL Max TT DL Max TT TB16 DL Max TTC TB bitsDL Max TC TB bits SER16 DL Max TT TB SER10Max TF DL Max TTF32 DL TCDL Max TF SER32 CTTC10LMax TF SER16 DL Max TF SER1280 UL Max TC TB bits11UL Max TT B DL Max TF SER1280 UL Max TT B SER12UL Max TT TB SER16 CL Max TT SER14UL Max TT TB SER1280 CU LMax TT SER15JE SERJE SER16UL Max TT B SER1280 CU LMax TT SER17Max TT TB SER1280 CU LMax TT SER18UL Max TT TB SER1280 CU LMax TT SER19UL Max TT TB CE CU LMax TT SER1280 CU LMax TT SER10UL Max TT TS CE CU LMax TT SER4 CE CU LMax TT SER10UL Max TT SER4 CE CU LMax TT SER11UL Max TT SER1280 CE CE CE CE CE CE CE CE CE CE 						
DL TCYesUL Max TB bits2560UL Max CC TB bits2560UL Max TC TB bits2560UL Max TC TB bits2560UL Max TTCHs4UL Max TTCHs4UL Max TF32UL TCYesOther required UE radio access capabilityNone18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.1085ee noteDL Max TC TB bits38400L Max TC TB bits25600L Max TC TB bits25600L Max TC TB bits25600L Max TC TB bits25600L Max TTCHs40L Max TTF160L Max TTF160L Max TTF320L TCYesUL Max TF320L TCYesUL Max TTF1280UL Max TTF1280UL Max TTF2UL Max TTFS4UL Max TTF2UL Max TTF32						
18Streaming / unknown / UL:034.108DL Max TC TB bits2560UL Max TT:TB8UL Max TT:TB8UL Max TT: TB8UL Max TT: TB16UL Max TFS16UL Max TS16UL Max TS16UL Max TS16DL:64 kbps / CS RAB + UL:3.46.10.2.4.1.18DL Max TC TB bits3840DL Max TC TB bits2560DL Max TC TB bits1280UL Max TFS16DL Max TT TB16DL Max TFS16DL Max TC TB bits1280UL Max TB bits1280UL Max TC TB bits640UL Max TT TB2UL Max TTFS4UL Max TFS4UL Max TFS4				DL Max TF		
18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DE note34.108 6.10.2.4.1.18UL Max TF 32 UL TC Other required UE radio access capability384.00 DL Max TF S84018Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note34.108 6.10.2.4.1.18DL Max TB bits DL Max TC TB bits DL Max TT TB DL Max TTF DL Max TTF DL Max TFS DL Max TF DL Max TC TB bits DL Max TF DL Max TF 				DL TC	Yes	
18Streaming / unknown / UL:034.108UL Max TF3218Streaming / unknown / UL:034.108DL Max TF bits384018DL:64 kbps / CS RAB + UL:3.46.10.2.4.1.18DL Max TC TB bits3840DL:3.4 kbps SRBs for DCCHSee noteDL Max TF 322560DL Max TF B bits16DL Max TC TB bits2560DL Max TTF B16DL Max TFF32DL Max TFS16DL Max TF 32DL Max TF 32DL Max TC TB bits1280UL Max TC TB bits640UL Max TC TB bits1280UL Max TT TB640UL Max TTF 32UL Max TTT TB2UL Max TTT BUL Max TFF32UL Max TTF 32UL Max TTT TBUL Max TFF32UL Max TFF32					2560	
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UL Max TTI TB8UL Max TF32UL TCYesOther required UE radio access capabilityNone18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.108 6.10.2.4.1.18DL Max TB bits DL Max CC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TTI TB 16See note0L Max TF DL Max TF 3232DL TCYesUL Max TF DL Max TC TB bits DL Max TTI TB16DL Max TF DL Max TF 3232DL TCYesUL Max TC TB bits DL Max TC TB bits DL Max TF640UL Max TF DL Max TF32UL Max TFS DL Max TC TB bits DL Max TC TB bits DL Max TF640UL Max TFS DL Max TFS4UL Max TFS DL Max TF2UL Max TFS DL Max TF4UL Max TF DL Max TF32						
18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.1080L Max TB bits DL Max TC TB bits DL Max TFS 16 DL Max TFS 16380019001000110012001300140015001601701800190100100100110120130140150160160170180190190100100110120120140150160170180190190100100100100100100100100110120120140150160161						
UL Max TF32UL TCYesOther required UE radio access capabilityNone18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.1085ee noteDL Max TB bits38400DL Max TC TB bits6400DL Max TC TB bits25600DL Max TC TB bits25600DL Max TC TB bits25600DL Max TT TB160DL Max TFS160DL Max TF320DL TCYes0UL Max TC TB bits6400UL Max TC TB bits6400UL Max TC TB bits6400UL Max TC TB bits6400UL Max TFS12800UL Max TFS20UL Max TFS20UL Max TFS40UL Max TFS40UL Max TF32						
UL TCYesOther required UE radio access capabilityNone18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.1086.10.2.4.1.18DL Max TB bits3840DL Max TC TB bits640DL Max TC TB bits2560DL Max TCTHs4DL Max TCTHs4DL Max TFS16DL Max TFS16DL Max TF32DL TCYesUL Max TC TB bits1280UL Max TC TB bits640UL Max TC TB bits1280UL Max TC TB bits640UL Max TF Bits1280UL Max TFS4UL Max TFS4UL Max TF32						
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18Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH34.108 6.10.2.4.1.18DL Max TB bits DL Max CC TB bits 0L Max TC TB bits 0L Max TCHs3840 640 DL Max TC TB bits 0L Max TCHsSee note0L Max CC TB bits 0L Max TCHs640 0L Max TCHsDL Max CCTCH DL Max TFS16 0L Max TFSDL Max TF DL Max TC TB bits32 DL TCDL Max TC TB bits 0L Max TC TB bits1280 0UL Max TC TB bitsUL Max TC TB bits 0L Max TF1280 0UL Max TC TB bitsUL Max TFS 0L Max TFS640 0UL Max TFFSUL Max TFS 0L Max TFS1280 0UL Max TFSUL Max TFS 0L Max TFS2 0UL Max TFSUL Max TFS 0L Max TFS4 0UL Max TFSUL Max TFS 0L Max TFS4 0UL Max TFUL Max TFS 0L Max TF32						
DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH6.10.2.4.1.18DL Max CC TB bits640 DL Max TC TB bitsSee noteDL Max TC Hs4 DL Max CCTrCH1 DL Max TTI TB16 DL Max TFSDL Max TFS16 DL Max TF32 DL TCYes UL Max TC TB bits1280 UL Max TC TB bitsUL Max TC TB bits1280 UL Max TC TB bits040 UL Max TC TB bits040 UL Max TC TB bitsUL Max TFS1 640 UL Max TT TB1280 UL Max TC TB bitsUL Max TF S1 2 UL Max TFF32				radio access		
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DL:3.4 kbps SRBs for DCCHDL Max TC TB bits2560See noteDL Max TrCHs4DL Max CCTrCH1DL Max TTI TB16DL Max TFS16DL Max TF32DL TCYesUL Max TB bits1280UL Max TC TB bits640UL Max TC TB bits640UL Max TC TB bits640UL Max TFS4UL Max TFS4UL Max TF32	. –					
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DL Max TTI TB 16 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 TCHS 2 UL Max TFS 2 UL Max TFS 4 UL Max TF 32						
DL Max TFS16DL Max TF32DL TCYesUL Max TB bits1280UL Max CC TB bits640UL Max TC TB bits640UL Max TCCHS2UL Max TTI TB2UL Max TFS4UL Max TF32		See note				
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DL TCYesUL Max TB bits1280UL Max CC TB bits640UL Max TC TB bits640UL Max TrCHs2UL Max TTI TB2UL Max TFS4UL Max TF32						
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UL Max TC TB bits640UL Max TrCHs2UL Max TTI TB2UL Max TFS4UL Max TF32						
UL Max TrCHs2UL Max TTI TB2UL Max TFS4UL Max TF32						
UL Max TTI TB2UL Max TFS4UL Max TF32						
UL Max TFS 4 UL Max TF 32						
UL Max TF 32						
3GPP				3GPP		

n te	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicat (Minimum UE ra capabil	dio access	Comments
	combination on DFCH		Parameter	Value	
			Other required UE	None	
			radio access capability	none	
19	Streaming / unknown / UL:64	34.108	DL Max TB bits	1280	
	DL:0 kbps / CS RAB + UL:3.4	6.10.2.4.1.19	DL Max CC TB bits	640	
	DL:3.4 kbps SRBs for DCCH		DL Max TC TB bits	640	
	See note		DL Max TrCHs	4	
	See note		DL Max CCTrCH	1	
			DL Max TTI TB DL Max TFS	4 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 UL Max TF	16 32	
			UL TC	Yes	
			Other required UE	None	
			radio access capability		
20	Streaming / unknown / UL:0	34.108	DL Max TB bits	6400	
	DL:128 kbps / CS RAB + UL:3.4	6.10.2.4.1.20	DL Max CC TB bits	640	
	DL:3.4 kbps SRBs for DCCH		DL Max TC TB bits	5120	
	See note		DL Max TrCHs	4	
			DL Max CCTrCH DL Max TTI TB	1 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 UL Max TTI TB	2 2	
			UL Max TFS	4	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
21	Streaming / unknown / UL:128	34.108	DL Max TB bits	1280	
	DL:0 kbps / CS RAB + UL:3.4	6.10.2.4.1.21	DL Max CC TB bits	640	
	DL:3.4 kbps SRBs for DCCH		DL Max TC TB bits	640	
	See note		DL Max TrCHs DL Max CCTrCH	4	
			DL Max CCTICH	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 UL Max TFS	32 16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE	None	
			radio access capability		
	1			1	

te m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicat (Minimum UE ra capabil	idio access	Comments
			Parameter	Value	
			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 UL Max CC TB bits	1280	
			UL Max CC TB bits	640 640	
			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	
23.1	Interactive or background /	34.108	DL Max TB bits	640	
	UL:32 DL:8 kbps / PS RAB +	6.10.2.4.1.23	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	640	
	DCCH / (TC, 10 ms TTI)		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16	
			DL Max TF DL TC	32 Yes	
			UL Max TB bits	Yes 640	
			UL Max 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 /	34.108	DL Max TB bits	640	
	UL:32 DL:8 kbps / PS RAB +	6.10.2.4.1.23	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	640	
	DCCH / (TC, 20 ms TTI)		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	
			DL Max TFS	16 32	
			DL Max TF DL TC	32 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 /	34.108	DL Max TB bits	640	
	UL:32 DL:8 kbps / PS RAB +	6.10.2.4.1.23	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	N/A	
	DCCH / (CC, 10 ms TTI)		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	4	

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicat (Minimum UE ra capabil	adio access	Comments
			Parameter	Value	
			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	
			ULTC	N/A	
23.4	Interactive or background /	34.108	DL Max TB bits	640	
	UL:32 DL:8 kbps / PS RAB +	6.10.2.4.1.23	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	N/A	
	DCCH / (CC, 20 ms TTI)		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 /	34.108	DL Max TB bits	640	
	UL:64 DL:8 kbps / PS RAB +	6.10.2.4.1.24	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	640	
	DCCH / TC		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	None	
			radio access capability		
24.2	Interactive or background /	34.108	DL Max TB bits	640	
		6.10.2.4.1.24	DL Max CC TB bits	640	
24.2					
24.2	UL:64 DL:8 kbps / PS RAB +	0.10.2.4.1.24	DI May TO TE hito		
24.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TC TB bits	N/A	
24.2	UL:64 DL:8 kbps / PS RAB +	0.10.2.4.1.24	DL Max TrCHs	4	
24.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH	4 1	
24.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB	4 1 4	
<u>-</u> 4.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB DL Max TFS	4 1 4 16	
<u>-</u> 4.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB DL Max TFS DL Max TF	4 1 4 16 32	
<u>-</u> 4.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB DL Max TFS DL Max TF DL TC	4 1 4 16 32 N/A	
24.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB DL Max TFS DL Max TF DL TC UL Max TB bits	4 1 4 16 32 N/A 2560	
24.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB DL Max TFS DL Max TF DL TC UL Max TB bits UL Max CC TB bits	4 1 4 16 32 N/A 2560 640	
24.2	UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.24	DL Max TrCHs DL Max CCTrCH DL Max TTI TB DL Max TFS DL Max TF DL TC UL Max TB bits	4 1 4 16 32 N/A 2560	

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicat (Minimum UE ra) capabil	Comments	
			Parameter	Value	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE	None	
			radio access		
			capability		
25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB +	34.108 6.10.2.4.1.25	DL Max TB bits DL Max CC TB bits	2560	
	UL:3.4 DL:3.4 kbps SRBs for	0.10.2.4.1.25	DL Max CC TB bits	640 2560	
	DCCH/ (TC, 10 ms TTI)		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 UL Max TFS	2 4	
			UL Max TFS	4 32	
			UL Max TF	32 Yes	
			Other required UE	None	
			radio access		
		capability			
5.2	Interactive or background /	34.108	DL Max TB bits	2560	
	UL:32 DL: 64 kbps / PS RAB +	6.10.2.4.1.25	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for DCCH / (TC, 20 ms TTI)		DL Max TC TB bits	2560	
	DCCH/(TC, 20 IIIS TT)		DL Max TrCHs	4	
			DL Max CCTrCH DL Max TTI TB	1	
			DL Max TFS	8 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	5	34.108	DL Max TB bits	2560	
	UL:32 DL: 64 kbps / PS RAB +	6.10.2.4.1.25	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	2560	
	DCCH / (CC, 10 ms TTI)		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	8	
			DL Max TFS DL Max TF	16 32	
			DL Max TF DL TC	32 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	

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra	adio access	Comments
	combination on DPCH		capabil		
			Parameter Other required UE	Value	
			radio access capability	None	
25.4	Interactive or background /	34.108	DL Max TB bits	2560	
_0	UL:32 DL: 64 kbps / PS RAB +	6.10.2.4.1.25	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	2560	
	DCCH / (CC, 20 ms TTI)		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB DL Max TFS	8 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 8	
			UL Max TFS UL Max TF	8 32	
			UL TC	Yes	
			Other required UE	None	
			radio access capability		
26	Interactive or background /	34.108	DL Max TB bits	2560	
	UL:64 DL: 64 kbps / PS RAB +	6.10.2.4.1.26	DL Max CC TB bits	640	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	2560	
	DCCH		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB DL Max TFS	8 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 UL Max TTI TB	2 8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	
27	Interactive or background /	34.108	DL Max TB bits	3840	
	UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	6.10.2.4.1.27	DL Max CC TB bits	640	
	DCCH		DL Max TC TB bits DL Max TrCHs	3840 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 UL Max TC TB bits	640 2560	
			UL Max TrCHs	2560	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE radio access capability	None	

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat		Comments
m	combination on DPCH		(Minimum UE radio access capability)		
	combination on DFCH		Parameter	Value	-
28	Interactive or background /	34.108 6.10.2.	DL Max TB bits	3840	
20	UL:128 DL:128 kbps / PS RAB	.4.1.28	DL Max CC TB bits	640	-
	+ UL:3.4 DL:3.4 kbps SRBs for	.4.1.20	DL Max TC TB bits	3840	-
	DCCH		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	None	
			radio access		
			capability		
29	Interactive or background /	34.108	DL Max TB bits	3840	
29	UL:64 DL:144 kbps / PS RAB +	6.10.2.4.1.29	DL Max CC TB bits	640	-
	UL:3.4 DL: 3.4 kbps SRBs for	0.10.2.4.1.20	DL Max CC TB bits	3840	-
	DCCH		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	None	
			radio access		
			capability		
30	Interactive or background /	34.108	DL Max TB bits	3840	
30	UL:144 DL:144 kbps / PS RAB	6.10.2.4.1.30	DL Max CC TB bits	640	1
	+ UL:3.4 DL: 3.4 kbps SRBs for	5.10.2.4.1.00	DL Max CC TB bits	3840	1
	DCCH		DL Max TC TB bits	4	1
			DL Max CCTrCH	1	-
			DL Max TTI TB	16	4
			DL Max TFS	16	-
			DL Max TF	32	
			DL TC	Yes	1
			UL Max TB bits	3840	1
			UL Max CC TB bits	640	1
			UL Max TC TB bits	3840	1
			UL Max TrCHs	2	1
			UL Max TTI TB	16	1
			UL Max TFS	16	1
			UL Max TF	32	
			UL TC	Yes]
			Other required UE	None	
			radio access		
			capability		

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

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra	Comments	
	combination on DPCH		capabil		
	combination on DF Ch		Parameter	Value	-
32.2	Interactive or background /	34.108	DL Max TB bits	8960	
52.2	UL:64 DL:384 kbps / PS RAB +	6.10.2.4.1.32	DL Max CC TB bits	640	-
	UL:3.4 DL: 3.4 kbps SRBs for	0.10.2.1.1.02	DL Max TC TB bits	8960	-
	DCCH / 20 ms TTI		DL Max TrCHs	4	1
			DL Max CCTrCH	1	
			DL Max TTI TB	32	1
			DL Max TFS	32	1
			DL Max TF	32	1
			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	None	
			radio access		
			capability		
33.1	Interactive or background /	34.108	DL Max TB bits	5120	
	UL:128 DL:384 kbps / PS RAB	6.10.2.4.1.33	DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	5120	
	DCCH / 10 ms TTI		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	4
			UL Max TrCHs	2	-
			UL Max TTI TB	16	4
			UL Max TFS	16 32	4
			UL Max TF		4
			UL TC Other required UE	Yes	4
			radio access	None	
			capability		
		0.4.400			
33.2	Interactive or background /	34.108	DL Max TB bits	8960	4
	UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for	6.10.2.4.1.33	DL Max CC TB bits	640	4
	DCCH / 20 ms TTI		DL Max TC TB bits DL Max TrCHs	8960 4	4
			DL Max TrCHs DL Max CCTrCH		4
			DL Max CCTICH DL Max TTI TB	1 32	4
				32	-
			DL Max TFS DL Max TF	32	-
			DL TC	Yes	4
			UL Max TB bits	3840	1
			UL Max CC TB bits	640	1
			UL Max TC TB bits	3840	1
			UL Max TrCHs	2	1
			UL Max TTI TB	16	1
			UL Max TFS	16	1
			UL Max TF	32	1
			UL TC	Yes	1
			Other required UE	None	1
			radio access		
			capability		
			. ,		

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra		Comments
	combination on DPCH		capability)		
			Parameter	Value	
34.1	Interactive or background /	34.108	DL Max TB bits	5120	
	UL:384 DL:384 kbps / PS RAB	6.10.2.4.1.34	DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	5120	
	DCCH / 10 ms TTI		DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF DL TC	32 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	None	
			radio access		
		capability			
34.2	Interactive or background /	34.108	DL Max TB bits	8960	
	UL:384 DL:384 kbps / PS RAB	6.10.2.4.1.34	DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for		DL Max TC TB bits	8960	
	DCCH / 20 ms TTI		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 UL Max CC TB bits	8960 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	None	
			radio access		
			capability		
35.1	Interactive or background /	34.108	DL Max TB bits	40960	
	UL:64 DL:2048 kbps / PS RAB	6.10.2.4.1.35	DL Max CC TB bits	640	
	+ UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI		DL Max TC TB bits	40960	
			DL Max TrCHs	4	
			DL Max CCTrCH	1	
			DL Max TTI TB	64 32	
			DL Max TFS 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	2300	
			UL Max TTI TB	8	
			UL Max TFS	16	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE	None	
			radio access		
		1	capability		

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

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

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra	adio access	Comments																		
	combination on DPCH		capabil																				
			Parameter	Value																			
38.2		34.108	DL Max TB bits	1280																			
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.38	DL Max CC TB bits	640																			
	+ Interactive or background / UL:32 DL:8 kbps / PS RAB +		DL Max TC TB bits	640																			
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TrCHs	8																			
	DCCH / (TC, 10 ms TTI		DL Max CCTrCH	1																			
			DL Max TTI TB DL Max TFS	8 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	Simultaneous																			
			radio access	CS and PS																			
			capability	bearer																			
00.0		04.400		services																			
38.3	•	34.108	DL Max TB bits	1280																			
	JL:12.2 DL:12.2 kbps / CS RAB Interactive or background /	6.10.2.4.1.38	DL Max CC TB bits	1280																			
	UL:32 DL:8 kbps / PS RAB +		DL Max TC TB bits	N/A																			
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TrCHs	8																			
	DCCH / (CC, 10 ms TTI		DL Max CCTrCH DL Max TTI TB	1 8																			
			DL Max TFS	o 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	•																		
				1		1		1		1	1					1		1			UL Max TTI TB	8	
			UL Max TFS	16																			
			UL Max TF	32																			
			UL TC	Yes																			
			Other required UE	Simultaneous																			
			radio access	CS and PS																			
			capability	bearer																			
20.4	Conversational / an each /	24.400		services																			
38.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB	34.108 6.10.2.4.1.38	DL Max TB bits DL Max CC TB bits	1280	4																		
	+ Interactive or background /	0.10.2.4.1.30	DL Max TC TB bits	1280 N/A	4																		
	UL:32 DL:8 kbps / PS RAB +		DL Max TC TB bits	N/A 8	4																		
	UL:3.4 DL:3.4 kbps SRBs for		DL Max CCTrCH	0	1																		
	DCCH / (CC, 20 ms TTI		DL Max TTI TB	8	4																		
			DL Max TFS	16	1																		
			DL Max TF	32	1																		
			DL TC	Yes	1																		
			UL Max TB bits	1280	1																		
			UL Max CC TB bits	1280	1																		
			UL Max TC TB bits	N/A	1																		
			UL Max TrCHs	8	1																		
			UL Max TTI TB	8	1																		
			UL Max TFS	32	1																		
			UL Max TF	32	1																		
			UL TC	Yes	1																		
				Circultorecours	1																		
			Other required UE	Simultaneous																			
			Other required UE radio access capability	CS and PS bearer																			

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra		Comments
	combination on DPCH		capabil		
			Parameter	Value	
39.1	Conversational / speech /	34.108	DL Max TB bits	2560	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.39	DL Max CC TB bits	640	
	+ Interactive or background / UL:32 DL:64 kbps / PS RAB+		DL Max TC TB bits	2560	-
	UL:3.4 DL: 3.4 kbps SRBs for		DL Max TrCHs	8	4
	DCCH / (TC, 10 ms TTI)		DL Max CCTrCH	1 8	-
			DL Max TTI TB 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	ļ
			Other required UE	Simultaneous	
			radio access	CS and PS	
			capability	bearer	
20.0	Convergational / analysis	24 109		services 2560	
39.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB	34.108 6.10.2.4.1.39	DL Max TB bits		-
	+ Interactive or background /	0.10.2.4.1.39	DL Max CC TB bits DL Max TC TB bits	640 2560	4
	UL:32 DL:64 kbps / PS RAB+		DL Max TC TB bits	8	4
	UL:3.4 DL: 3.4 kbps SRBs for		DL Max CCTrCH	0	4
	DCCH / (TC, 20 ms TTI)		DL Max TTI TB	8	
			DL Max TFS	32	-
			DL Max TF	32	4
			DL TC	Yes	4
			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	Simultaneous	
			radio access	CS and PS	
			capability	bearer services	
39.3	Conversational / speech /	34.108	DL Max TB bits	2560	
00.0	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.39	DL Max CC TB bits	640	1
	+ Interactive or background /		DL Max TC TB bits	2560	1
	UL:32 DL:64 kbps / PS RAB+		DL Max TrCHs	8	1
	UL:3.4 DL: 3.4 kbps SRBs for		DL Max CCTrCH	1	1
	DCCH / (CC, 10 ms TTI)		DL Max TTI TB	8	1
			DL Max TFS	32	1
			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	1
			UL Max TFS	32	1
			UL Max TF	32	1
			UL TC	Yes	1
			Other required UE	Simultaneous	
			radio access	CS and PS	
			capability	bearer services	1

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra		Comments
	combination on DPCH		capabil		
			Parameter	Value	
39.4	Conversational / speech /	34.108	DL Max TB bits	2560	
00.1		6.10.2.4.1.39	DL Max CC TB bits	640	
			DL Max TC TB bits	2560	
	UL:32 DL:64 kbps / PS RAB+		DL Max TrCHs	8	
	UL:3.4 DL: 3.4 kbps SRBs for		DL Max CCTrCH	1	
	DCCH / (CC, 20 ms TTI)		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	1
			Other required UE	Simultaneous	1
			radio access	CS and PS	
			capability	bearer	
				services	
40	Conversational / speech /	34.108	DL Max TB bits	2560	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.40	DL Max CC TB bits	640	
	+ Interactive or background /		DL Max TC TB bits	2560	
	UL:64 DL:64 kbps / PS RAB+		DL Max TrCHs	8	
	UL:3.4 DL: 3.4 kbps SRBs for		DL Max CCTrCH	1	
	DCCH		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	1
			UL Max TrCHs	8	
			UL Max TTI TB	8	1
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	1
			Other required UE	Simultaneous	1
			radio access	CS and PS	
			capability	bearer	
				services	
41	Conversational / speech /	34.108	DL Max TB bits	3840	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.41	DL Max CC TB bits	640]
	+ Interactive or background /		DL Max TC TB bits	3840]
	UL:64 DL:128 kbps / PS RAB +		DL Max TrCHs	8	1
	UL:3.4 DL:3.4 kbps SRBs for		DL Max CCTrCH	1	
	DCCH		DL Max TTI TB	16	
			DL Max TFS	32	
			DL Max TF	32	1
			DL TC	Yes	1
			UL Max TB bits	2560	1
			UL Max CC TB bits	640	1
			UL Max TC TB bits	2560	1
			UL Max TrCHs	8	1
			UL Max TTI TB	8	1
			UL Max TFS	32	1
			UL Max TF	32	1
			UL TC	Yes	1
			Other required UE	Simultaneous	1
			radio access	CS and PS	
			capability	bearer	
		1	sapasin's	services	

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicat (Minimum UE ra	adio access	Comments
	combination on DPCH		capabil		
			Parameter	Value	
42.1	Conversational / speech /	34.108	DL Max TB bits	3840	
	UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background /	6.10.2.4.1.42	DL Max CC TB bits	640	
	UL:64 DL:256 kbps / PS RAB +		DL Max TC TB bits	3840	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TrCHs DL Max CCTrCH	8	
	DCCH / 10 ms TTI		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	Simultaneous	
			radio access	CS and PS	
			capability	bearer	
10.0		04.400		services	
12.2	Conversational / speech /	34.108 6.10.2.4.1.42	DL Max TB bits	6400	4
	UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background /	6.10.2.4.1.42	DL Max CC TB bits	640	
	UL:64 DL:256 kbps / PS RAB +		DL Max TC TB bits	6400	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TrCHs	8	
	DCCH / 20 ms TTI		DL Max CCTrCH 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	Simultaneous	
			radio access	CS and PS	
			capability	bearer	
		0.4.400		services	
13.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB	34.108 6.10.2.4.1.43	DL Max TB bits	5120	4
	+ Interactive or background /	0.10.2.4.1.43	DL Max CC TB bits DL Max TC TB bits	640	4
	UL:64 DL:384 kbps / PS RAB +		DL Max TC TB bits	4120 8	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max TrCHs DL Max CCTrCH	8	4
	DCCH / 10 ms TTI		DL Max TTI TB	16	
			DL Max TFS	64	
			DL Max TF	32	1
			DL TC	Yes	-
			UL Max TB bits	2560	1
			UL Max CC TB bits	640	1
			UL Max TC TB bits	2560	1
			UL Max TrCHs	8	1
			UL Max TTI TB	8	1
			UL Max TFS	32	1
			UL Max TF	32	1
				Yes	1
			UL TC	res	
			UL TC Other required UE	Simultaneous	

lte m	FDD interoperability radio bearer configuration for	Ref.	Applicability (Minimum UE radio access		Comments
	combination on DPCH		capabil		
			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 DL Max TFS	32 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	
			ULTC	Yes	4
			Other required UE	Simultaneous	
			radio access capability	CS and PS bearer	
			capability	services	
44.1	Conversational / speech /	34.108	DL Max TB bits	40960	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.44	DL Max CC TB bits	640	
	+ Interactive or background /		DL Max TC TB bits	40960	
	UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for		DL Max TrCHs	8]
			DL Max CCTrCH	1	
	DCCH / 10 ms TTI		DL Max TTI TB	64	
			DL Max TFS	96	
			DL Max TF	32	
			DL TC	Yes	-
			UL Max TB bits UL Max CC TB bits	3840	
			UL Max TC TB bits	640 3840	•
			UL Max TrCHs	8	
			UL Max TTI TB	16	-
			UL Max TFS	32	
			UL Max TF	32	
			UL TC	Yes	
			Other required UE	Simultaneous	
			radio access	CS and PS	
			capability	bearer	
44.2	Conversational / apacab /	24 109	DL Moy TP hite	services 81920	
44.Z	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB	34.108 6.10.2.4.1.44	DL Max TB bits DL Max CC TB bits	640	-
	+ Interactive or background / UL:128 DL:2048 kbps / PS RAB	0.10.2.4.1.44	DL Max TC TB bits	81920	-
			DL Max TrCHs	8	-
	+ UL:3.4 DL:3.4 kbps SRBs for		DL Max CCTrCH	1	
	DCCH / 20 ms TTI		DL Max TTI TB	96	
			DL Max TFS	128]
			DL Max TF	32	
			DL TC	Yes	
			UL Max TB bits	3840	4
			UL Max CC TB bits	640	4
			UL Max TC TB bits	3840	4
			UL Max TrCHs	8	4
			UL Max TTI TB UL Max TFS	16 32	4
			UL Max TFS	32	1
			UL TC	Yes	1
			Other required UE	Simultaneous	1
			radio access	CS and PS	
			capability	bearer	
				services	

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
45	Conversational / speech /	34.108	DL Max TB bits	3840	
10	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.45	DL Max CC TB bits	640	
	+ Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH		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	Multicall	
			radio access	(2xCS)Simult	
			capability	aneous CS	
				and PS	
				bearer	
				services	
46	Conversational / speech /	34.108	DL Max TB bits	3840	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.46	DL Max CC TB bits	640	
	+ Streaming / unknown / UL:0		DL Max TC TB bits	2560	
	DL:64 kbps / CS RAB + UL:3.4		DL Max TrCHs	8	
	DL:3.4 kbps SRBs for DCCH		DL Max CCTrCH	1	
			DL Max TTI TB	16	
	See note 1		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	Multicall	
			radio access	(2xCS)Simult	
			capability	aneous CS	
				and PS	
				bearer	
47	Convergetional (and a th	24.400	DI May TD File	Services	
47	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB		DL Max TB bits	6400	
	+ Streaming / unknown / UL:0		DL Max CC TB bits	640	
	DL:128 kbps / CS RAB + UL:3.4		DL Max TC TB bits	6400	
	DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH See note 1		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	-	
			UL Max TFS UL Max TF	16 32	
			UL Max TF	32 Yes	
				res	
			3GPP		

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applical (Minimum UE ra canabil	adio access	Comments
	combination on DPCH		capabil Parameter	Value	
			Other required UE radio access	Multicall (2xCS)Simult	
			capability	aneous CS	
			capability	and PS	
				bearer	
				services	
48	Conversational / speech /	34.108	DL Max TB bits	20480	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.48	DL Max CC TB bits	640	
	+ Streaming / unknown / UL:0		DL Max TC TB bits	20480	
	DL:384 kbps / CS RAB + UL:3.4		DL Max TrCHs	8	
	DL:3.4 kbps SRBs for DCCH		DL Max CCTrCH	1	
	See note 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	Multicall (2xCS)Simult	
			radio access capability	(2xCS)Simult aneous CS	
			Capability	and PS	
				bearer	
				services	
49.1	Conversational / speech /	34.108	DL Max TB bits	2560	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.49	DL Max CC TB bits	640	
	+ Conversational / unknown /		DL Max TC TB bits	1280	
	UL:64 DL:64 kbps / CS RAB +		DL Max TrCHs	8	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max CCTrCH	1	
	DCCH / 20 ms TTI		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	Multicall	
			radio access	(2xCS)	
			capability		
49.2	Conversational / speech /	34.108	DL Max TB bits	3840	
7J.Z	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.1.49	DL Max CC TB bits	640	
	+ Conversational / unknown /		DL Max TC TB bits	2560	
	UL:64 DL:64 kbps / CS RAB +		DL Max TC TB bits	8	
	UL:3.4 DL:3.4 kbps SRBs for		DL Max CCTrCH	1	
	DCCH / 40 ms TTI		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	

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicat (Minimum UE ra	adio access	Comments														
	combination on DPCH		capabil Parameter																
				Value Multicall															
			radio access	(2xCS)															
			capability	(2,00)															
50.1		34.108	DL Max TB bits	3840															
	UL:64 DL:64 kbps / CS RAB + Conversational / unknown /	6.10.2.4.1.50	DL Max CC TB bits DL Max TC TB bits	640 2560															
	UL:64 DL:64 kbps / CS RAB +		DL Max TC TB bits	4															
	UL:3.4 DL:3.4 kbps SRBs for		DL Max CCTrCH	1															
	DCCH / 20 ms TTI		DL Max TTI TB	8															
			DL Max TFS	16															
			DL Max TF	32															
			DL TC UL Max TB bits	Yes 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 Other required UE	Yes Multicall															
			radio access capability	(2xCS)															
50.2	Conversational / unknown /	34.108	DL Max TB bits	6400															
50.2	UL:64 DL:64 kbps / CS RAB +	6.10.2.4.1.50	DL Max CC TB bits	640															
	Conversational / unknown /		DL Max TC TB bits	2560															
	UL:64 DL:64 kbps / CS RAB +		DL Max TrCHs	4															
	UL:3.4 DL:3.4 kbps SRBs for	:3.4 DL:3.4 kbps SRBs for :CH / 40 ms TTI	DL Max CCTrCH	1															
	Deerry 40 ms 1 m		DL Max TTI TB	16															
			DL Max TFS DL Max TF	16 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 UL Max TFS	16 8															
			UL Max TF	32															
																	UL TC	Yes	
			Other required UE	Multicall															
			radio access capability	(2xCS)															
51.1	Conversational / unknown /	34.108	DL Max TB bits	3840															
	UL:64 DL:64 kbps / CS RAB /	6.10.2.4.1.51	DL Max CC TB bits	640															
	20 ms TTI + Interactive or background / UL:64 DL:64 kbps		DL Max TC TB bits DL Max TrCHs	3840 4															
	/ PS RAB + UL:3.4 DL:3.4 kbps		DL Max TrCHS DL Max CCTrCH	4															
	SRBs for DCCH		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 UL Max TC TB bits	640 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	Simultaneous CS and PS															
			capability	bearer															
				services															

	UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps	34.108	capabil Parameter	ity)	
	UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps	34.108	Parameter		
	UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps	34.108		Value	
	40 ms TTI + Interactive or background / UL:64 DL:64 kbps		DL Max TB bits	5120	
	background / UL:64 DL:64 kbps	6.10.2.4.1.51	DL Max CC TB bits	640	
			DL Max TC TB bits	5120	
	/ PS RAB + UL:3.4 DL:3.4 kbps		DL Max TrCHs	4	
	SRBs for DCCH		DL Max CCTrCH	1	
			DL Max TTI TB	16	
			DL Max TFS DL Max TF	32 32	
			DL Max TF	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	Simultaneous	
			radio access	CS and PS	
			capability	bearer	
				services	
52.1	Conversational / unknown /	34.108	DL Max TB bits	5120	
	UL:64 DL:64 kbps / CS RAB /	6.10.2.4.1.52	DL Max CC TB bits	640	
	20 ms TTI + Interactive or		DL Max TC TB bits	5120	
	background / UL:64 DL:128		DL Max TrCHs	4	
	kbps / PS RAB + UL:3.4 DL:3.4		DL Max CCTrCH	1	
	kbps SRBs for DCCH		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 Other required UE	Yes	
			radio access	Simultaneous CS and PS	
			capability	bearer	
			oupublity	services	
52.2	Conversational / unknown /	34.108	DL Max TB bits	6400	
	UL:64 DL:64 kbps / CS RAB /	6.10.2.4.1.52	DL Max CC TB bits	640	
	40 ms TTI + Interactive or		DL Max TC TB bits	6400	
	background / UL:64 DL:128		DL Max TrCHs	4	
	kbps / PS RAB + UL:3.4 DL:3.4		DL Max CCTrCH	1	
	kbps SRBs for DCCH		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	Simultaneous	
			radio access	CS and PS	
		1	capability	bearer	

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

lte m	FDD interoperability radio bearer configuration for combination on DPCH	Ref.	Applicability (Minimum UE radio access capability)		Comments
			Parameter	Value	
55	Interactive or background /	34.108	DL Max TB bits	7680	
	UL:64 DL:128 kbps / PS RAB +	6.10.2.4.1.55	DL Max CC TB bits	640	
	Streaming / unknown / UL:0		DL Max TC TB bits	7680	
	DL:128 kbps / CS RAB + UL:3.4		DL Max TrCHs	4	
	DL:3.4 kbps SRBs for DCCH		DL Max CCTrCH	1	
	See note		DL Max TTI TB	32	
	See note		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	Simultaneous	
			radio access	CS and PS	
			capability	bearer	
NOT	 To openie UE least ask	f toot doto for th	DD intereparati	services	adia baarar aanfiguratiana
NOT					adio bearer configurations
	having zero rate in uplink A.18c) the "Streaming / u				ems 54 and 55 in table g / unknown / DL:14,4 kbps
					nfiguration. The impact on
	the UE radio access capa items.				

Item	FDD interoperability radio bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access See no		Comments
1.1	Interactive or background /	34.108	DL Max TB bits	3840	
	UL:64 DL:256 kbps / PS RAB /	6.10.2.4.2.1	DL Max CC TB bits	640	1
	10 ms TTI + UL:3.4 DL: 3.4		DL Max TC TB bits	3840	1
	kbps SRBs for DCCH		DL Max TrCHs	4	1
			DL Max CCTrCH	2]
			DL Max TTI TB	16	
			DL Max TFS	16	
			DL Max TF	32	
			DL TC	Yes	4
			UL Max TB bits	2560	4
			UL Max CC TB bits	640	4
			UL Max TC TB bits	2560	4
			UL Max TrCHs	4	4
			UL Max TTI TB UL Max TFS	8 16	4
					4
			UL Max TF UL TC	32 Yes	4
			Other required UE	PDSCH=Yes	4
			radio access capability	PDSCH=Tes	
1.2	Interactive or background /	34.108	DL Max TB bits	6400	
	UL:64 DL:256 kbps / PS RAB /	6.10.2.4.2.1	DL Max CC TB bits	640	
	20 ms TTI + UL:3.4 DL: 3.4		DL Max TC TB bits	6400	1
	kbps SRBs for DCCH		DL Max TrCHs	4	1
		DL Max CCTrCH	2	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	4
			UL Max TC TB bits	2560	4
			UL Max TrCHs	4	-
			UL Max TTI TB	8	4
			UL Max TFS	16 32	4
			UL Max TF UL TC	32 Yes	4
			Other required UE	PDSCH=Yes	4
			radio access capability	r DSGN=Tes	
2.1	Interactive or background /	34.108	DL Max TB bits	5120	
	UL:64 DL:384 kbps / PS RAB /	6.10.2.4.2.2	DL Max CC TB bits	640	1
	10 ms TTI + UL:3.4 DL: 3.4		DL Max TC TB bits	5120	1
	kbps SRBs for DCCH		DL Max TrCHs	4	1
			DL Max CCTrCH	2	1
			DL Max TTI TB	16	
			DL Max TFS	16]
			DL Max TF	32]
			DL TC	Yes	1
			UL Max TB bits	2560	1
			UL Max CC TB bits	640	1
			UL Max TC TB bits	2560	4
			UL Max TrCHs	4	4
			UL Max TTI TB	8	4
			UL Max TFS	16	4
			UL Max TF	32	4
			UL TC	Yes	4
			Other required UE	PDSCH=Yes	
			radio access capability		

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

ltem	bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access See no	ote.	Comments										
2.2	Interactive or background /	34.108	DL Max TB bits	8960											
	UL:64 DL:384 kbps / PS RAB /	6.10.2.4.2.2	DL Max CC TB bits	640											
	20 ms TTI + UL:3.4 DL: 3.4		DL Max TC TB bits	8960											
	kbps SRBs for DCCH		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	4										
			UL TC	Yes	4										
			Other required UE	PDSCH=Yes											
			radio access capability												
3.1	Interactive or background /	34.108	DL Max TB bits	40960											
0.1	UL:64 DL:2048 kbps / PS RAB /	6.10.2.4.2.3	DL Max CC TB bits	640	-										
	10 ms TTI + UL:3.4 DL: 3.4 kbps SRBs for DCCH		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	UL Max TF	32	
														UL TC	Yes
			Other required UE radio access capability	PDSCH=Yes											
3.2	Interactive or background /	34.108	DL Max TB bits	81920											
J.Z	UL:64 DL:2048 kbps / PS RAB /	6.10.2.4.2.3	DL Max TB bits	640	1										
	20 ms TTI + UL:3.4 DL: 3.4	0.10.2.7.2.0	DL Max TC TB bits	81920	1										
	kbps SRBs for DCCH		DL Max TrCHs	4	1										
	•		DL Max CCTrCH	2	-										
			DL Max TTI TB	96	4										
			DL Max TFS	32	-										
			DL Max TF	32	•										
			DL TC	Yes	-										
			UL Max TB bits	2560	1										
			UL Max CC TB bits	640	1										
			UL Max TC TB bits	2560	1										
			UL Max TrCHs	4	1										
			UL Max TTI TB	8	1										
			UL Max TFS	16	1										
			UL Max TF	32	1										
			UL TC	Yes	1										
			Other required UE	PDSCH=Yes	1										
			radio access												

Item	bearer configuration for combination on PDSCH and DPCH	Ref.	UE radio access See no	te.	Comments
4.1	Conversational / speech /	34.108	DL Max TB bits	3840	
	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.2.4	DL Max CC TB bits	640	
	+ Interactive or background /		DL Max TC TB bits	3840	
	UL:64 DL:256 kbps / PS RAB /		DL Max TrCHs	8	
	10 ms TTI + UL:3.4 DL:3.4 kbps SRBs for DCCH		DL Max CCTrCH	2	
	SRBS 101 DCCH		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	PDSCH=Yes;	
			radio access	and	
			capability	Simultaneous	
				CS and PS bearer	
				services	
4.2	Conversational / speech /	34.108	DL Max TB bits	6400	
4.2	UL:12.2 DL:12.2 kbps / CS RAB	6.10.2.4.2.4	DL Max CC TB bits	640	
	+ Interactive or background /	0.10.2.1.2.1	DL Max TC TB bits	6400	
	UL:64 DL:256 kbps / PS RAB /		DL Max TrCHs	8	
	20 ms TTI + UL:3.4 DL:3.4 kbps		DL Max CCTrCH	2	
	SRBs for DCCH		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	1
			UL TC	Yes	1
			Other required UE	PDSCH=Yes;	1
			radio access	and	
			capability	Simultaneous CS and PS bearer	
				services	

Item	bearer configuration for combination on PDSCH		UE radio access See no		Comments
5.1	and DPCH 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 DL Max CC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TrCHs DL Max TTI TB DL Max TFS DL Max TF DL TC UL Max TB bits UL Max TC TB bits UL Max TC TB bits UL Max TCHs UL Max TFS UL Max TFS UL Max TF UL Max TF	5120 640 5120 8 2 16 16 32 Yes 2560 640 2560 8 8 32 32 Yes PDSCH=Yes; and Simultaneous	
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	Capability DL Max TB bits DL Max CC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TrCHs DL Max TFS DL Max TF DL TC UL Max TB bits UL Max TC TB bits UL Max TC TB bits UL Max TC TB bits UL Max TFS UL Max TFS UL Max TF UL Max TF	Simultaneous CS and PS bearer services 8960 640 8960 8 2 32 16 32 16 32 Yes 2560 640 2560 8 8 32 32 32 Yes 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 See no		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 DL Max CC TB bits DL Max TC TB bits DL Max TrCHs DL Max TrCHS DL Max CCTrCH DL Max TFS DL Max TFS DL Max TF DL TC UL Max TB bits UL Max CC TB bits UL Max TC TB bits	40960 640 40960 8 2 48 16 32 Yes 2560 640 2560	
			UL Max TrCHs UL Max TTI TB UL Max TFS UL Max TF UL TC Other required UE radio access capability	8 8 32 32 Yes 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 DL Max CC TB bits DL Max TC TB bits DL Max TrCHs DL Max TrCHs DL Max TTI TB DL Max TFS DL Max TF DL TC UL Max TB bits UL Max TC TB bits UL Max TC TB bits UL Max TCHs UL Max TFS UL Max TFS UL Max TF UL Max TF UL Max TF UL Max TF UL Max TF C Other required UE radio access capability	81920 640 81920 8 2 96 32 32 Yes 2560 640 2560 8 8 32 32 Yes PDSCH=Yes; and Simultaneous CS and PS bearer services	

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

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

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

ltem	FDD interoperability radio bearer configuration for combination on PRACH	Ref.	Applicability (Minimum UE radio access capability)		Comments
1	Interactive/Background 32 kbps	34.108	UL Max TB bits	640	
	PS RAB + SRB for CCCH +	6.10.2.4.4.1	UL Max CC TB bits	640	
	SRB for DCCH		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	none	
			radio access		
			capability		

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3GPP TSG-T1 SIC Cancun, Mexico,	G Meeting #13 29 th – 30 th November 2001	T1S-010442				
3GPP TSG-T1 SIC Cancun, Mexico,	G Meeting #20 26 th – 28 th November 2001	T1S-010363r2				
CHANGE REQUEST						
^ж TS 34	I.123-2 CR 041 [#] ev _ [#] Current vers	ion: 4.0.0 [#]				
For <u>HELP</u> on us	ing this form, see bottom of this page or look at the pop-up text	over the # symbols.				
Proposed change affects: # (U)SIM ME/UE X Radio Access Network Core Network						
Title: ೫	Corrections to RRC test cases applicability					
Source: ೫	MCI					
Work item code: 🕷 📘	TEI Date: #	28 th November 01				
		REL-4 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)				
Reason for change:						
Summary of change	: # Update the applicability table (including the changes proposed in	n T1S-010357r2).				
Consequences if not approved:	¥					
Clauses affected:	육 Clause 4					
Other specs affected:	# Other core specifications # Test specifications 0&M Specifications					
Other comments:	# Affects REL-4 and R99					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: <u>http://www.3gpp.org/3G_Specs/CRs.htm</u>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

8.1.1.1	RRC / Paging for Connection in idle mode	R99	C01	UEs supporting FDD.
8.1.1.2	RRC / Paging for Connection in connected mode (CELL_PCH)	R99	C06	UEs supporting FDD and supporting PS bearer service.
8.1.1.3	RRC / Paging for Connection in connected	R99	C06	UEs supporting FDD and supporting PS bearer service.
31.1.4	mode (URA_PCH) RRC / Paging for Notification in idle mode	R99	C01	UEs supporting FDD.
3.1.1.5	RRC / Paging for Notification in connected	R99	C01	UEs supporting FDD and supporting
	mode (CELL_PCH)			PS bearer service.
3.1.1.6	RRC / Paging for Notification in connected mode (URA_PCH)	R99	C01<u>C06</u>	UEs supporting FDD <u>and supporting</u> PS bearer service.
3.1.1.7	RRC / Paging for Connection in connected mode (CELL_DCH)	R99	C01	UEs supporting FDD.
3.1.1.8	RRC / Paging for Connection in connected mode (CELL_FACH)	R99	C01<u>C06</u>	UEs supporting FDD <u>and supporting</u> PS bearer service.
3.1.2.1	RRC / RRC Connection Establishment in CELL_DCH state: Success	R99	C01	UEs supporting FDD.
3.1.2.2	RRC / RRC Connection Establishment: Success after T300 timeout	R99	C01	UEs supporting FDD.
3.1.2.3	RRC / RRC Connection Establishment: Failure (V300 is greater than N300)	R99	C01	UEs supporting FDD.
3.1.2.4	RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0)	R99	C01	UEs supporting FDD.
3.1.2.5	RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0 and V300 is greater than N300)	R99	C01	UEs supporting FDD.
3.1.2.6	RRC / RRC Connection Establishment: Reject ("wait time" is set to 0)	R99	C01	UEs supporting FDD.
3.1.2.7	RRC / RRC Connection Establishment in CELL_FACH state: Success	R99	C01	UEs supporting FDD.
3.1.2.8	RRC / RRC Connection Establishment : Invalid system information message reception Void	R99	C01	UEs supporting FDD.
3.1.2.9	RRC / RRC Connection Establishment: Success after Physical channel failure, Invalid message reception and Invalid configuration	R99	C01	UEs supporting FDD.
3.1.3.1	RRC / RRC Connection Release in CELL_DCH state: Successful	R99	C01	UEs supporting FDD.
3.1.3.2	RRC / RRC Connection Release using on DCCH in CELL_FACH state: Successful	R99	C01	UEs supporting FDD.
3.1.3.3	RRC / RRC Connection Release using on CCCH in CELL_FACH state: Failure	R99	C01	UEs supporting FDD.
3.1.3.4	RRC / RRC Connection Release in CELL_FACH state: Failure	R99	C01	UEs supporting FDD.
3.1.3.5	RRC / RRC Connection Release in CELL_FACH state: Invalid message	R99	C01	UEs supporting FDD.
8.1.5.1	RRC / UE Capability in CELL_DCH state: Success	R99	C01	UEs supporting FDD.
8.1.5.2	RRC / UE Capability in CELL_DCH state: Success after T304 timeout	R99	C01	UEs supporting FDD.
3.1.5.3	RRC / UE Capability in CELL_DCH state: <u>FalilureFailure</u> (After (N304+1) re- transmissions)	R99	C01	UEs supporting FDD.
8.1.5.4	RRC / UE Capability in CELL_FACH state: Success	R99	C01<u>C06</u>	UEs supporting FDD <u>and supporting</u> PS bearer service.
3.1.5.5	RRC / UE Capability in CELL_FACH state: Success after T304 timeout	R99	C01 <u>C06</u>	UEs supporting FDD <u>and supporting</u> PS bearer service.
3.1.6.1	Direct Transfer in CELL_DCH state (invalid message reception and no signalling connection exists)	R99	C01	UEs supporting FDD.
3.1.6.2	Direct Transfer in CELL_FACH state (invalid message reception and no signalling connection exists)	R99	C01<u>C06</u>	UEs supporting FDD <u>and supporting</u> PS bearer service.
3.1.7.1	RRC / Security mode control in CELL_DCH state	R99	C07	UEs supporting FDD and supporting UMTS Encryption Algorithm UEA1.
3.1.7.2	RRC / Security mode control in CELL_FACH state	R99	C07 <u>C42</u>	UEs supporting FDD and supporting <u>PS bearer service</u> and supporting UMTS Encryption Algorithm UEA1.
8.1.8.1	RRC / Counter check in CELL_DCH state	R99	C01<u>C06</u>	UEs supporting FDD and supporting PS bearer service.
3.1.8.2	RRC / Counter check in CELL_FACH state	R99	C01 <u>C06</u>	UEs supporting FDD <u>and supporting</u> PS bearer service.

8.1.9	RRC / Signalling Connection Release Request	R99	C01	UEs supporting FDD.
8.2.1.1	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Data integrity protection algorithm is not applied)	R99	C01	UEs supporting FDD.
8.2.1.2	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Effected Data integrity protection algorithm)Void	R99	C08	UEs supporting FDD and supporting UMTS Integrity Algorithm UIA1.
8.2.1.3	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Unsupported configuration)	R99	C01	UEs supporting FDD.
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 <u>and invalid</u> <u>configuration</u>)	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: Failure Success (Physical channel FailureCell 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 <u>and invalid</u> <u>configuration</u>)	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.

C42 IF A.1/1 AND A.3/2 AND A.20/27 THEN R ELSE N/Avoid

I

Other comments:

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		CR-Form-v3				
	CHANGE REQUEST	Git i onn i o				
ж <mark>3</mark>	4.123-2 CR 042 ^{# rev} - ^{# (}	Current version: 4.0.0 [#]				
For <u>HELP</u> on u	For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols.					
Proposed change	affects:	ess Network Core Network				
Title: ೫	Inclusion of Baseline Implementation Capabilities f	or 1.28 Mcps TDD				
Source: ೫	Siemens AG					
Work item code: %	LCRTDD	Date: ₩ 26.November.2001				
Category: ж	F	Release: # REL-4				
	Use <u>one</u> of the following categories: F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)				
Reason for change	: # ICS proforma tables should be updated to Rele	ase 4				
Summary of chang		cilitate Conformance testing (1.28				
Consequences if not approved:	# 1.28 Mcps TDD option is not tested properly					
Clauses affected:	¥ A.4.3					
Other specs affected:	%Other core specifications%Test specifications0&M Specifications					

A.4.3 Baseline Implementation Capabilities

lte	Supported protocols	Ref.	Release	Comments
m				
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	

Table A.11: Supported protocols

A.4.3.1 Baseline Implementation Capabilities to facilitate Conformance testing

lte	Reference Measurement Channels	Ref.	Release	Comments
m				
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	
<u>5</u>	Up-link reference measurement channel12.2 kbps (1.28 Mcps TDD)	<u>25.102 A.2.1.2</u>	<u>Rel-4</u>	
<u>6</u>	Down-link reference measurement channel 12.2 kbps (1.28 Mcps TDD)	<u>25.102 A.2.2.2</u>	<u>Rel-4</u>	

Table A.12: Reference Measurement Channels

Table A.13: Special Conformance Testing Functions

lte m	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

lte m	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

lte	FDD (DS) RF Baseline Implementation	Ref.	Release	Comments
m	Capabilities			
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.15: FDD (DS) RF Baseline Implementation Capabilities

Table A.16: TDD_RF Baseline Implementation Capabilities

ltem	TDD RF Baseline Implementation Capabilities	Ref.	Release	Comments
1	Chip rate 3,84 Mcps	25.102, 5.1	R99	
<u>2</u>	Chip rate 1,28 Mcps	25.102, 5.1	Rel-4	
<u>23</u>	Frequency band: 1 900-1 920 MHz	25.102, 5.2	R99 <u>, Rel-4</u>	
3 4	Frequency band: 2 010-2 025 MHz	25.102, 5.2	R99 <u>, Rel-4</u>	
4 <u>5</u>	Frequency band: 1 850-1 910 MHz	25.102, 5.2	R99 <u>, Rel-4</u>	
5 6	Frequency band: 1 930-1 990 MHz	25.102, 5.2	R99 <u>, Rel-4</u>	
<u>67</u>	Frequency band: 1 910-1 930 MHz	25.102, 5.2	R99 <u>, Rel-4</u>	
7 <u>8</u>	Frequency band: Other spectrum	25.102, 5.2	R99 <u>, Rel-4</u>	
8 9	Carrier raster: 200 kHz	25.102, 5.4	R99 <u>, Rel-4</u>	
9 10	UE Power Class 2 (+24 dBm)	25.102, 6.2.1	R99 <u>, Rel-4</u>	
10 11	UE Power Class 3 (+21 dBm)	25.102, 6.2.1	R99 <u>, Rel-4</u>	
<u> 1112</u>	Output RF spectrum emissions	25.102, 6.6	R99 <u>, Rel-4</u>	

A.4.3.3 Physical Layer Baseline Implementation Capabilities

Table A.17: Void

Table A.18: Void

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

lte m	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

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

T1-010444

	CR-Form-v3
	CHANGE REQUEST
ж	34.123-2 CR 043 * rev - * Current version: 4.0.0 *
For <u>HELP</u> on u	using this form, see bottom of this page or look at the pop-up text over the $#$ symbols.
Proposed change	affects: # (U)SIM ME/UE X Radio Access Network Core Network
Title: #	Update Table of Aplicability of tests for RRC section in TDD mode
Source: #	Siemens
Work item code:₩	TEI Date: 육 26/11/2001
Category: #	F Release: # R4
	Use one of the following categories:Use one of the following releases:F (essential correction)2A (corresponds to a correction in an earlier release)R96B (Addition of feature),R97C (Functional modification of feature)R98D (Editorial modification)R99D tetailed explanations of the above categories canREL-4be found in 3GPP TR 21.900.REL-5
Reason for chang	e: # Reflect the update of TS 34.123-1.
Summary of chan	 ge: # Table 1 is updated according with test cases in section 8 of TS 34.123-1 New conditions are created: C52 UEs supporting TDD and supporting PS bearer service. C53 UEs supporting TDD and supporting UMTS Encryption Algorithm UEA1. C54 UEs supporting TDD and supporting PS bearer service and supporting UMTS Encryption Algorithm UEA1.
Consequences if not approved:	# Inconsistences between TS 34.123-1 and TS 34.123-2
Clauses affected:	X Clause 4
Other specs affected:	X Other core specifications X X Test specifications O &M Specifications

Other comments: # Release 99 and Release 4 are affected.

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

RADIO RES	SOURCE CONTROL			
8.1.1.1	RRC / Paging for Connection in idle mode	R99	C01	UEs supporting FDD.
			<u>C02</u>	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.
			<u>C52</u>	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.
			<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8. 1.1.4	RRC / Paging for Notification in idle mode	R99	C01	UEs supporting FDD.
			<u>C02</u>	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.
			<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8.1.1.6	RRC / Paging for Notification in connected	R99	C01	UEs supporting FDD.
	mode (URA_PCH)		<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8.1.1.7	RRC / Paging for Connection in connected	R99	C01	UEs supporting FDD.
	mode (CELL_DCH)		<u>C02</u>	UEs supporting TDD.
8.1.1.8	RRC / Paging for Connection in connected	R99	C01	UEs supporting FDD.
	mode (CELL_FACH)		<u>C52</u>	UEs supporting TDD and supporting PS bearer service.

8.1.2.1	RRC / RRC Connection Establishment in CELL_DCH state: Success	R99	C01 C02	UEs supporting FDD. UEs supporting TDD.
8.1.2.2	RRC / RRC Connection Establishment:	R99	C02 C01	UEs supporting FDD.
8.1.2.2	Success after T300 timeout	R99		
		5.0.0	<u>C02</u>	UEs supporting TDD.
8.1.2.3	RRC / RRC Connection Establishment:	R99	C01	UEs supporting FDD.
	Failure (V300 is greater than N300)		<u>C02</u>	UEs supporting TDD.
8.1.2.4	RRC / RRC Connection Establishment: Reject	R99	C01	UEs supporting FDD.
	("wait time" is not equal to 0)		<u>C02</u>	UEs supporting TDD.
8.1.2.5	RRC / RRC Connection Establishment: Reject ("wait time" is not equal to 0 and V300 is	R99	C01	UEs supporting FDD.
	greater than N300)		<u>C02</u>	UEs supporting TDD.
8.1.2.6	RRC / RRC Connection Establishment: Reject	R99	C01	UEs supporting FDD.
	("wait time" is set to 0)		<u>C02</u>	UEs supporting TDD.
8.1.2.7	RRC / RRC Connection Establishment in	R99	C01	UEs supporting FDD.
	CELL_FACH state: Success		<u>C02</u>	UEs supporting TDD.
8.1.2.8	RRC / RRC Connection Establishment :	R99	C01	UEs supporting FDD.
	Invalid system information message reception		<u>C02</u>	UEs supporting TDD.
8.1.2.9	RRC / RRC Connection Establishment:	R99	C01	UEs supporting FDD.
0.11.2.10	Success after Physical channel failure, Invalid message reception and Invalid configuration	-	<u>C02</u>	UEs supporting TDD.
		500	004	
8.1.3.1	RRC / RRC Connection Release in CELL DCH state: Successful	R99	C01	UEs supporting FDD.
	-		<u>C02</u>	UEs supporting TDD.
8.1.3.2	RRC / RRC Connection Release using on	R99	C01	UEs supporting FDD.
	DCCH in CELL_FACH state: Successful		<u>C02</u>	UEs supporting TDD.
8.1.3.3	RRC / RRC Connection Release using on	R99	C01	UEs supporting FDD.
	CCCH in CELL_FACH state: Failure		C02	UEs supporting TDD.
8.1.3.4	RRC / RRC Connection Release in	R99	C01	UEs supporting FDD.
0111011	CELL FACH state: Failure		C02	UEs supporting TDD.
8.1.3.5	RRC / RRC Connection Release in	R99	C01	UEs supporting FDD.
0.1.3.5	CELL_FACH state: Invalid message	1.99		
	· · · · · · · · · · · · · · · · · · ·	500	<u>C02</u>	UEs supporting TDD.
8.1.5.1	RRC / UE Capability in CELL_DCH state:	R99	C01	UEs supporting FDD.
	Success		<u>C02</u>	UEs supporting TDD.
8.1.5.2	RRC / UE Capability in CELL_DCH state:	R99	C01	UEs supporting FDD.
	Success after T304 timeout		<u>C02</u>	UEs supporting TDD.
8.1.5.3	RRC / UE Capability in CELL_DCH state:	R99	C01	UEs supporting FDD.
	Falilure (After (N304+1) re-transmissions)		<u>C02</u>	UEs supporting TDD.
8.1.5.4	RRC / UE Capability in CELL_FACH state:	R99	C01	UEs supporting FDD.
	Success		<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8.1.5.5	RRC / UE Capability in CELL FACH state:	R99	C01	UEs supporting FDD.
	Success after T304 timeout		<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8.1.6.1	Direct Transfer in CELL_DCH state (invalid	R99	C01	UEs supporting FDD.
	message reception)		<u>C02</u>	UEs supporting TDD.
8.1.6.2	Direct Transfer in CELL_FACH state (invalid	R99	<u>C02</u> C01	UEs supporting FDD.
0.1.0.2	message reception and no signalling)	1199		UEs supporting TDD.
8.1.7.1	RRC / Security mode control in CELL_DCH	R99	<u>C02</u> C07	UEs supporting FDD and supporting
	state		<u>C53</u>	UMTS Encryption Algorithm UEA1.
8.1.7.2	RRC / Security mode control in CELL_FACH	R99	C07	UMTS Encryption Algorithm UEA1. UEs supporting FDD and supporting
	state	-	<u>C54</u>	UMTS Encryption Algorithm UEA1. 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	C01	UEs supporting FDD.
			<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8.1.8.2	RRC / Counter check in CELL_FACH state	R99	C01	UEs supporting FDD.
		-	<u>C52</u>	UEs supporting TDD and supporting PS bearer service.
8.1.9	RRC / Signalling Connection Release	R99	C01	UEs supporting FDD.
	Request	L	C02	UEs supporting TDD.

< Next modification>

 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

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Proposed chang	je a	affects:	(U)	SIM	ME	UE/	X	Rad	lio Ac	ccess	Networ	k	Core N	etwork
Title:	ж	Inclusion Mcps TD		lio Beare	r Aplio	cabil	ity, C	Condit	tions	and (Capabili	ties fo	or testing	of 1.28
Source:	ж	Siemens												
Work item code:	ж	LCRTDD								I	Date: ೫	26.	. <mark>Novembe</mark>	er.2001
Category:	ж	F								Rele	ease: ೫	RE	L-4	
		A (col B (Ad C (Fu	ential c respond dition of nctional itorial m planatio	orrection) ds to a cou f feature), l modificat podification ons of the	rrectio ion of 1) above	n in a featu	ıre)			e)	e <u>one</u> of 2 R96 R97 R98 R99 REL-4 REL-5	(GSN (Rele (Rele (Rele (Rele	ollowing rei A Phase 2, pase 1996, pase 1997, pase 1998, pase 1999, pase 4) pase 5))))

Reason for change: ೫	Testing of RABs for LCRTDD
Summary of change: ^ℜ	Table 1: Applicability of tests Section for Multi-Layer functional tests is added. Conditions for RAB LCRTDD tests are included.
	Section A.4.3.3.2 is created to include Radio Bearer Capabilities for TDD (1.28 Mcps option) Differencies with FDD capabilities were found. UL Max CCTrCH is needed for TDD mode(According with TS 25.306) Table A.18g: Radio bearer capabilities for combinations on DPCH (LCRTDD)
Consequences if % not approved:	1.28 Mcps TDD option is not tested properly
Clauses affected: #	Clause 4, Annex 4
Other specs ೫	
affected:	X Test specifications
	O&M Specifications

Other comments: %

<Start of modified section>

USER EQUIF	PMENT 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 F	Functional Tests			· · ·
<u>1ß.1</u>	<u>RAB Tests for TDD (1.28 Mcps option)</u> <u>Combinations on DPCH</u>			
<u>18.1.2.1</u>	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH	<u>R4</u>	<u>C220</u>	UEs supporting LCRTDD and reference radio bearer configuration "Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH"
<u>18.1.2.2</u>	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH	<u>R4</u>	<u>C221</u>	UEs supporting LCRTDD and reference radio bearer configuration "Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH"
<u>18.1.2.3</u>	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH	<u>R4</u>	<u>C222</u>	UEs supporting LCRTDD and reference radio bearer configuration "Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH"
<u>18.1.2.4</u>	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	<u>R4</u>	<u>C223</u>	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"
<u>18.1.2.5</u>	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	<u>R4</u>	<u>C224</u>	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"
<u>18.1.2.6</u>	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	<u>R4</u>	<u>C225</u>	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"
<u>18.1.2.7</u>	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH	<u>R4</u>	<u>C226</u>	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"
<u>18.1.2.8</u>	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	<u>R4</u>	<u>C227</u>	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"

Table 1: Applicability of tests

<End of modified section>

<Start of modified section>

	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
l	<u>C220</u>	IF A.1/3 AND A.18g/1 THEN R ELSE N/A
l	C221	IF A.1/3 AND A.18g/2 THEN R ELSE N/A
İ	C222	IF A.1/3 AND A.18g/3 THEN R ELSE N/A
ĺ	C223	IF A.1/3 AND A.18g/4 THEN R ELSE N/A
l	C224	IF A.1/3 AND A.18g/5 THEN R ELSE N/A
ĺ	C225	IF A.1/3 AND A.18g/6 THEN R ELSE N/A
Ì	C226	IF A.1/3 AND A.18g/7 THEN R ELSE N/A
İ	C227	IF A.1/3 AND A.18g/8 THEN R ELSE N/A
İ		-

<End of modified section>

<Start of modified section>

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	DL Max TB bits	Maximum sum of number of bits of all transport blocks being received at an
<u>channel</u>		arbitrary time instant
parameters in	DL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks
<u>downlink</u>		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
	<u>DL TC</u>	Support for turbo decoding
Transport	UL Max TB bits	Maximum sum of number of bits of all transport blocks being transmitted at an
<u>channel</u>		arbitrary time instant
parameters in	UL Max CC TB bits	Maximum sum of number of bits of all convolutionally coded transport blocks
<u>uplink</u>		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
	<u>UL TC</u>	Support for turbo encoding

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

lte	1.28 Mcps TDD option	Ref.	Applicat		<u>Comments</u>
<u>m</u>	iradio bearer configuration		(Minimum UE ra	adio access	
	for combination on DPCH		<u>capabil</u>	<u>ity)</u>	
			Parameter	Value	
<u>1</u>	Stand-alone UL:1.7 DL:1.7 kbps	<u>34.108</u>	DL Max TB bits	<u>640</u>	
	SRBs for DCCH	<u>6.11.5.4.1.1</u>	DL Max CC TB bits	<u>640</u>	
			DL Max TC TB bits	<u>N/A</u>	
			DL Max TrCHs	<u>4</u>	
			DL Max CCTrCH	<u>1</u>	
			DL Max TTI TB	<u>4</u>	
			DL Max TFS	<u>16</u>	
			DL Max TF	<u>32</u>	
			<u>DL TC</u>	<u>N/A</u>	
			UL Max TB bits	<u>640</u>	
			UL Max CC TB bits	<u>640</u>	
			UL Max TC TB bits	<u>N/A</u>	
			UL Max TrCHs	2	
			UL Max CCTrCH	1	
			UL Max TFS	<u>4</u>	
			UL Max TF	<u>32</u>	
			<u>UL TC</u>	<u>N/A</u>	
			Other required UE	None	
			radio access		
			<u>capability</u>		
	Otend along LIL 2 4 DL 2 4 Librar	24.400	DL May TD hits	0.40	
<u>2</u>	Stand-alone UL:3.4 DL:3.4 kbps	<u>34.108</u>	DL Max TB bits	<u>640</u>	
	SRBs for DCCH	<u>6.11.5.4.1.2</u>	DL Max CC TB bits	<u>640</u>	
. 1	1	I	DL Max TC TB bits	<u>N/A</u>	

Image: Standard		<u>lte</u> <u>m</u>	1.28 Mcps TDD option iradio bearer configuration	<u>Ref.</u>	<u>Applicat</u> (Minimum UE ra	adio access	<u>Comments</u>
3 Stand-alone UL:13.6 DL:13.6 34.108 DL Max TF15 16 1 DL Max TF15 13 16 DL Max TF15 16 1 DL Max TF15 13 16 DL Max TF15 16 1 DL TC N/A UL Max TC TB bits 640 UL Max TC TB bits 1640 1 UL Max TC TB bits 14/A DL Max TC TB bits 14/A 10 1 UL Max TC TB bits 14/A 10 Max TB bits 640 10 1 UL Max TC TB bits 14/A 0 Max TB bits 640 0 1 Max TB bits 640 0 Max TB bits 16/A 0 1 Max TB bits 16 1 <th></th> <th></th> <th>for combination on DPCH</th> <th></th> <th><u>capabil</u></th> <th></th> <th></th>			for combination on DPCH		<u>capabil</u>		
3 Stand-alone UL:13.6 DL:13.6 34.108 DL Max TF15 16 1 DL Max TF15 13 16 DL Max TF15 16 1 DL Max TF15 13 16 DL Max TF15 16 1 DL TC N/A UL Max TC TB bits 640 UL Max TC TB bits 1640 1 UL Max TC TB bits 14/A DL Max TC TB bits 14/A 10 1 UL Max TC TB bits 14/A 10 Max TB bits 640 10 1 UL Max TC TB bits 14/A 0 Max TB bits 640 0 1 Max TB bits 640 0 Max TB bits 16/A 0 1 Max TB bits 16 1 <th></th> <th></th> <th></th> <th></th> <th>Parameter</th> <th>Value</th> <th></th>					Parameter	Value	
3 Stand-alone UL:13.6 DL:13.6 UL Max TF 16 DL. Max TF 16 DL:C 4 DL:C NA UL Max TE bits 640 UL Max TC TB bits 640 UL Max TC TB bits 640 UL Max TC TB bits NA UL TC NA UL Max TC TB bits NA UL Max TC TB bits NA DL Max TC TB bits NA DL Max TC TB bits NA DL Max TC TB bits NA DL Max TC TB bits NA DL Max TT TD bits A DL Max TT TB bits DA UL Max TC TB bits NA DL Max TT TD bits A DL Max TT TB bits DA UL Max TC TB bits NA UL Max TC TB bits NA UL Max TC TB bits NA DL Max TT TB bits <	i I				DL Max TrCHs		
4 Conversational / speech / DL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis UL Max TC B bis D L Max D B bis D L Max TC B bis D L Max D B bis D L Max	j					1	1
2 DL Max TE 16 DL TC NA UL Max TE bits 640 UL Max TC TE bits NA UL Max TE 2 UL Max TE 32 UL TG NA Other required UE NA Other required UE NA Other required UE NA DL Max TC TE bits 640 UL Max TE bits 640 UL Max TE bits 640 UL Max TE bits 640 UL Max TE bits 640 UL Max TE bits 640 UL Max TC TB bits NA DL Max TC TB bits 640 <tr< td=""><td>i I</td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	i I						
4 Conversational / speech / DCCH 24.108 24.108 3 Stand-alone UL-13.6 DL-13.6 UL Max TC B bis base SRBs for DCCH 24.108 0L Max TC B bis UL Max CCT B bis UL Max CCT B bis Galaxies 40 3 Stand-alone UL-13.6 DL-13.6 UL Max CCT B bis base SRBs for DCCH 24.108 0L Max TC B bis Galaxies 40 3 Stand-alone UL-13.6 DL-13.6 UL Max CC TB bis base SRBs for DCCH 24.108 0L Max TC B bis Galaxies 640 4 Conversational / speech / UL-12.2 DL-13.2 bis for CT B bis for C	i I						
4 Conversational / speech / ULMax TG bis 640 3 Stand-alone UL-13.6 DL-13.6 kbps SR8s for DCCH 34.108 6.11.5.4.13 0LMax TG bis ULMax TG bis ULMax TG bis Gabability None Tadio access Gabability 3 Stand-alone UL-13.6 DL-13.6 kbps SR8s for DCCH 34.108 6.11.5.4.13 0LMax TG bis 0LMax TG bis DLMax TG b	† I						
4 Conversational / speech / UL:122 DL:122 kbps / SR8s for DCGH 34.108 34.108 0L.Max TC TB bits UL.Max TC H 4 4 Conversational / speech / UL:122 DL:122 kbps / CS RAB CCH 34.108 0L.Max TC TB bits OL Max TC H 640 5 Conversational / speech / UL:122 DL:122 kbps / CS RAB CCH 34.108 0L.Max TC TB bits OL Max TC TB	i I						
4 UL Max CC TB bits VA UL Max TCTB is VA UL Max TCTB is VA UL Max TCTB is VA UL Max CTCH 1 UL Max CCTCH 1 UL Max TC TB bits VA DL Max CCTCH 1 DL Max TCT B bits VA DL Max CCTCH 1 DL Max TCT B bits VA UL Max TC TB bits VA UL Max TC TB bits VA UL Max TC TB bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TCT B bits VA UL Max TC TB bit	i						
4 Conversational / speech / UL-Max TC TB bits VAA 3 Stand-alone UL:13.6 DL:13.6 bbas SRBs.for DCCH 34.108 6.11.5.4.1.3 DL Max TC TB bits VAM CC TB bits 640 DL Max TC TB bits 4 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 1 Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits							
4 Conversational / speech / UL-122 Unps CR RAB UL-122 Unps CR RAB Same as for item 4. UL-122 Unps CR RAB UL-122 Unps CR RAB Same as for item 4. UL-75 UNA UL-75 RAB Same as for item 4. UL-75 UNA UL-75 RAB Same as for item 4. UL-75 UNA UL-75 RAB Same as for item 4. UL-75 UNA UL-75 RAB Same as for item 4. UL-75 UNA UL-75 RAB Same as for item 4.							
4 Conversational / speech / UL-122 DU-122 kbps SRBs for DCCH 34.108 5.11.5.4.1.3 DL Max TE 32 UL Max TF 32 UL Max TF 32 UL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 DL Max TC TB bits 640 UL Max TC TB bits 640 DL Max TC TB bits 740 DL T							
4 Conversational / speech / DCH 34.108 DL Max TE Sta (ULTC							
4 UL Max TF 32 3 Stand-atone UL:13.6 DL:13.6 84.108 None 3 Mose SRBs for DCCH 84.108 DL Max TG TB bits 640 0 LMax TG TB bits 640 DL Max TG TB bits 640 0 LMax TG TB bits 14 DL Max TG TB bits 14 0 LMax TG TB bits 14 DL Max TG TB bits 14 0 LMax TG TB bits 14 14 14 14 0 LMax TG TB bits 14 14 14 14 14 0 LMax TG TB bits 14 14 14 14 14 14 14 14 14 14 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
3 Stand-atone UL:13.6 DL:13.6 34.108 Other required UE None 3 Stand-atone UL:13.6 DL:13.6 34.108 DL Max TC TB bits 640 0 Max TC TB bits 640 DL Max TC TB bits NA DL Max TC TB bits 640 DL Max TC TB bits NA DL Max TC TB bits 640 DL Max TC TB bits NA DL Max TC TB bits 640 DL Max TC TB bits 640 UL Max TF S 16 DL Max TC TB bits 640 UL Max TT Sits 640 UL Max TT Sits 640 UL Max TT Sits 74 UL Max TT Sits 74 UL Max TT Sits 74 UL Max TC TB bits 00 UL Max TT Sits 74 UL Max TC TB bits 00 Max TB Sits 640 DCH 01 DCH 01 DCH 10 UL Max TT Sits 640 DCH 10 DCH 10 DCH 10 DL Max TC TB bits 10 DL Max TC TB bits 10 DL Max TC TB bits 10 DL Max TT Sits 10 <							
3 Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH 34.108 6.11.5.4.1.3 DL Max TE bits 6.11.5.4.1.3 640 DL Max TC TB bits 0L M							
3 Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH 34.108 6.11.5.4.1.3 DL Max TC TB bits DL Max CC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TC TB bits DL Max TT FS DL	ļ						
3 Stand-alone_UL:13.6 DL:13.6 34.108 DL Max TB bits 640 3 Kbps SRBs for DCCH 6.11.5.4.1.3 DL Max CT B bits 640 DL Max TC TB bits MA DL Max TC TB bits 4 DL Max TC TB bits 6.00 DL Max TC TB bits 4 DL Max TC TB bits MA DL Max TC TB bits 640 UL Max TC TB bits MA UL Max TC TB bits 640 UL Max TC TB bits MA UL Max TC TB bits 640 UL Max TC TB bits MA UL Max TFS 1 UL Max TF 32 UL Max TF 2 UL Max TFS UL Max TF 32 UL Max TF 32 UL Max TF UL Max TF 32 UL Max TF 32 UL Max TF UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32 UL Max TF 32						None	
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4 Conversational / speech / UL:32 DL:12.2 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCH 34.108 5 Conversational / speech / DCH 34.108 6 Conversational / speech / DCH 34.108 6 Conversational / speech / DCH 34.108 6 Conversational / speech / DCH 34.108 7 Conversational / speech / DCH 34.108 8 Conversational / speech / DCH 34.108 9 Conversational / speech / DCH 34.108 9 Conversational / speech / DCH 34.108 9 Conversational / speech / DCH 34.108 10 Max TC TB bits 640 11 DL Max TC TB bits 640 12 DL Max TC TB bits 640 14 DL Max TC TB bits 640 15 DL Max TT TS 16 16 DL Max TT TS 16 17 DL Max TT TS 16 18 Quert TS 32 19 UL Max CC TB bits 640 11 Max TT 32 11 Max TT TS 16 11		<u>3</u>					4
4 Conversational / speech / UL:12.2 DU-12.2 kbps / CS RAB UL:13.4 DL:3.4 kbps SRBs for DCCH 34.108 6.11.5.4.1.4 DL Max TF DL Max TF DL Max TC Hs DL Max TT Hs DL Max TT Hs DL Max TC Hs DL Max TF DL Max TC Hs DL Max TF DL M			KODS SKRS FOR DUCH	<u>0.11.5.4.1.3</u>			
4 Conversational / speech / UL_122 DL:122 ktps / CS RAB + UL:34 DL:34 ktps SRBs for DCH 34.108 6.11.5.4.1.4 34.108 0.11.5.4.1.5 0.11.5.4.1.4 0.11.5.4.1.5 0.11.5.4.1.4 0.11.5.4.1.5 5 Conversational / speech / UL:102 DL:102 ktps / CS RAB + UL:34 DL:34 ktps SRBs for DCCH 34.108 6.11.5.4.1.5 0.11.5.4.1.4 0.11.5.4.1.5 0.11.5.4.1.4 0.11.5.4.1.4 6 Conversational / speech / UL:102 DL:102 ktps / CS RAB + UL:34 DL:34 ktps SRBs for DCCH 34.108 6.11.5.4.1.4 0.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.4 6.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.4 7 Conversational / speech / UL:102 DL:102 ktps / CS RAB + UL:34 DL:34 ktps SRBs for DCCH 34.108 6.11.5.4.1.4 0.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.4 8 0.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.5 1.5.4.1.4 0.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.4 0.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.4 9 0.11.5.4.1.4 DL Max TE bits 0.11.5.4.1.5 640 UL Max TE bits 0.11.5.4.1.5 640 UL Max TE bits 0.11.5.4.1.5 9 0.11.5.4.1.5 1.5.4.1.5 1.5.4.1.5 1.5.4.1.5 10 0.11.5.4.1.5 34.108 Same as for item 4. 1.5.4.1.5 11 0.11.5.4.1.5 5.11.5.4.1.6 5.11.5.4.1.6							1
4 Conversational / speech / UL Max TF 34.108 4 Conversational / speech / UL Max TF 34.108 5 Conversational / speech / UL Max TC TB bits 640 10 Max Tresson 4 11 UL Max TC TB bits 640 12 UL Max TC TB bits 640 14 UL Max TC TB bits 74 14 UL Max TC TB bits 74 14 UL Max TC TB bits 74 15 Conversational / speech / DL Max TC TB bits 74 16 DL Max TF 32 17 DL Max TC TB bits 74 16 DL Max TC TB bits 74 17 DL Max TC TB bits 74 18 DL Max TF 16 19 DL Max TC TB bits 74 10 DL Max TF 16 11 DL Max TC TB bits 76 10 DL Max TC TB bits 74 11 Max TC TB bits 74 11 Max TC TB bits 74 11 Max TC TB bits 74 11 Max T	ļ						1
4 Conversational / speech / UL 32 CTr25 kbps / CS RAB + UL:32 DL:12 2 kbps / CS RAB Study 34.108 5 34.108 6.11.5.4.1.5 34.108 6.11.5.4.1.5 5 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:32 DL:12.2 kbps / CS RAB + UL:34 DL:34 kbps SRBs for DCCH 34.108 6.11.5.4.1.5 34.108 6.11.5.4.1.5	ļļ						
4 Conversational / speech / UL Max 34.108 6.11.5.4.1.5 34.108 6.11.5.4.1.5 4 Conversational / speech / UL Max 34.108 6.11.5.4.1.5 34.108 6.11.5.4.1.5 5 Conversational / speech / UL Max 34.108 6.11.5.4.1.5 5 Conversational / speech / UL Max 34.108 6.11.5.4.1.5 6 Conversational / speech / UL Max 34.108 6.11.5.4.1.5 7 Conversational / speech / UL Max 34.108 6.11.5.4.1.5					DL Max TTI TB	4	
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