Source: T1

Title: CR's to TS 34.108 v3.13.0 and v4.8.0 for approval

Agenda item: 5.1.3

Document for: Approval

This document contains the CRs to TS 34.108 v3.13.0 and v4.8.0. These CRs have been agreed by T1 and are put forward to TSG T for approval.

Tdoc #	Title	CR#	re v	C at	Versi on in	Versi on out	Relea se
T1-031380	CR 34.108 R99: EF _{RPLMNACT} (RPLMN Last used Access Technology) removed	261		F	3.13.0	3.14. 0	99
T1-031381	CR 34.108 Rel-4: EF _{RPLMNACT} (RPLMN Last used Access Technology) removed	262		A	4.8.0	4.9.0	Rel-4
T1-031441	CR 34.108 Rel-4: Addition of Bearer combination for Interactive/background UL 64 kbps DL 768 kbps for Rel-5	269		F	4.8.0	4.9.0	Rel-4
T1-031451	Correction of CM TGD parameter	274		F	3.13.0	3.14. 0	99
T1-031470	Corrections to default message contents of Radio Bearer Release	276		F	3.13.0	3.14. 0	99
T1-031526	Correction of TFCS for radio bearer combination 6.10.2.4.1.51b	282		F	3.13.0	3.14. 0	99
T1-031527	Correction of TFCS for radio bearer combination 6.10.2.4.1.51b	283		A	4.8.0	4.9.0	Rel-4
T1-031546	Update of default messages for RRC CONNECTION SETUP and SECURITY MODE COMMAND	263	1	F	3.13.0	3.14. 0	99
T1-031547	Update of default messages for RRC CONNECTION SETUP and SECURITY MODE COMMAND	264	1	A	4.8.0	4.9.0	Rel-4
T1-031554	Test frequencies of UMTS800MHz band VI	267	1	В	3.13.0	3.14. 0	99
T1-031555	Test frequencies of UMTS800MHz band VI	268	1	A	4.8.0	4.9.0	Rel-4
T1-031591	Correction of CM TGD parameter	275	1	A	4.8.0	4.9.0	Rel-4
T1-031594	Corrections to default message contents of Radio Bearer Release	277	1	F	4.8.0	4.9.0	Rel-4

CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection	259	2	F	3.13.0	3.14.	99
CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection	260	2	A	4.8.0	4.9.0	Rel-4
Modification to default DPCCH_Power_offset value	278	1	F	3.13.0	3.14. 0	99
Modification to default DPCCH_Power_offset value	279	1	A	4.8.0	4.9.0	Rel-4
Introduction of generic test procedure for RRM handover test cases	272	1	F	3.13.0	3.14. 0	99
Introduction of generic test procedure for RRM handover test cases	273	1	A	4.8.0	4.9.0	Rel-4
Update of generic test procedure for TX, RX and Performance Requirement	270	1	F	3.13.0	3.14. 0	99
Update of generic test procedure for TX, RX and Performance Requirement	271	1	A	4.8.0	4.9.0	Rel-4
Description and corrections of channels for minimum performance levels, TDD mode.	265	1	F	3.13.0	3.14. 0	99
Description and corrections of channels for minimum performance levels, TDD mode.	266	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	251	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	252	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	253	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	254	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	255	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	256	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	257	1	F	4.8.0	4.9.0	Rel-4
Addition of Default message contents for TDD	258	1	F	4.8.0	4.9.0	Rel-4
	REQUEST and RRC CONNECTION SETUP messages for MT RR Connection CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection Modification to default DPCCH_Power_offset value Modification to default DPCCH_Power_offset value Introduction of generic test procedure for RRM handover test cases Introduction of generic test procedure for RRM handover test cases Update of generic test procedure for TX, RX and Performance Requirement Update of generic test procedure for TX, RX and Performance Requirement Description and corrections of channels for minimum performance levels, TDD mode. Description and corrections of channels for minimum performance levels, TDD mode. Addition of Default message contents for TDD Addition of Default message contents for TDD	REQUEST and RRC CONNECTION SETUP messages for MT RR Connection CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection Modification to default DPCCH_Power_offset value 278 Modification to default DPCCH_Power_offset value Introduction of generic test procedure for RRM handover test cases Introduction of generic test procedure for RRM handover test cases Update of generic test procedure for TX, RX and Performance Requirement Update of generic test procedure for TX, RX and Performance Requirement Description and corrections of channels for minimum performance levels, TDD mode. Description and corrections of channels for minimum performance levels, TDD mode. Addition of Default message contents for TDD 251 Addition of Default message contents for TDD 253 Addition of Default message contents for TDD 254 Addition of Default message contents for TDD 255 Addition of Default message contents for TDD 256 Addition of Default message contents for TDD 257	REQUEST and RRC CONNECTION SETUP messages for MT RR Connection CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection Modification to default DPCCH_Power_offset value 278 1 Modification to default DPCCH_Power_offset value 279 1 Introduction of generic test procedure for RRM handover test cases Introduction of generic test procedure for RRM handover test cases Update of generic test procedure for TX, RX and Performance Requirement Update of generic test procedure for TX, RX and Performance Requirement Description and corrections of channels for minimum performance levels, TDD mode. Description and corrections of channels for minimum performance levels, TDD mode. Addition of Default message contents for TDD 251 1 Addition of Default message contents for TDD 252 1 Addition of Default message contents for TDD 253 1 Addition of Default message contents for TDD 255 1 Addition of Default message contents for TDD 256 1 Addition of Default message contents for TDD 257 1 Addition of Default message contents for TDD 258 1 Addition of Default message contents for TDD 259 1 Addition of Default message contents for TDD 250 1 Addition of Default message contents for TDD 251 1 Addition of Default message contents for TDD 252 1 Addition of Default message contents for TDD 253 1 Addition of Default message contents for TDD	REQUEST and RRC CONNECTION SETUP messages for MT RR Connection CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection Modification to default DPCCH_Power_offset value 278	REQUEST and RRC CONNECTION SETUP messages for MT RR Connection CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection Modification to default DPCCH_Power_offset value 278	REQUEST and RRC CONNECTION SETUP messages for MT RR Connection CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection Modification to default DPCCH_Power_offset value 278

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3rd – 7th November 2003

CHANGE REQUEST							
*	34.108 CR 261	≭rev - [≭] Currer	nt version: 3.13.0				
For <u>HELP</u> on us	sing this form, see bottom of this	page or look at the pop-u	p text over the ₩ symbols.				
Proposed change affects: UICC apps第 ME X Radio Access Network Core Network							
Title: #	CR 34.108 R99: EF _{RPLMNACT} (R	PLMN Last used Access	Technology) removed				
Source: #	Nokia						
Work item code: ₩	TEI	Da	ate:				
Category: ₩	F Use one of the following categories F (correction) A (corresponds to a correction B (addition of feature), C (functional modification of fe D (editorial modification) Detailed explanations of the above be found in 3GPP TR 21.900.	n in an earlier release) R: R: eature) R: R: categories can R: R:	one of the following releases:				
D	00 T00 T01						
Reason for change Summary of chang		emove Elementary File EF 27 for R99 and T3-030728 from TS 34.108. on, EF is no longer require	F _{RPLMNACT} from TS 31.102 for Rel-4). As a consequence ed because it was used to				
Consequences if not approved:	# Mismatch between 31.102	2 and 34.108					
Clauses affected:	ж <mark>8.3.2.56</mark>						
Other specs affected:	Y N 米 X Other core specifica						
Other comments:	x						

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$ 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.

<START OF MODIFIED SECTION>

8.3.2.53 EF_{OPLMNsel} (OPLMN selector)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.54 EF_{PHPLMNAT} (Preferred HPLMN Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.55 EF_{ARR} (Access rule reference)

The programming of this EF is a test house option.

8.3.2.56 VoidEF_{RPLMNACT} (RPLMN Last used Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.57 EF_{NETPAR} (Network Parameters)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3 Contents of DFs at the USIM ADF (Application DF) level

8.3.3.1 Contents of files at the USIM SoLSA level

8.3.3.1.1 EF_{SAI} (SoLSA Access Indicator)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.2 EF_{SLL} (SoLSA LSA List)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.3 LSA Descriptor files

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.4 Contents of files at the MExE level

8.3.3.1.4.1 EF_{MExE-ST} (MExE Service table)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.2 EF_{ORPK} (Operator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.3 EF_{ARPK} (Administrator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

<END OF MODIFIED SECTION>

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3rd – 7th November 2003

	CHANGE	E REQUEST	CR-Form-v				
ж 3	4.108 CR 262	ж rev - ж С	urrent version: 4.8.0 ^第				
For <u>HELP</u> on usin	ng this form, see bottom of thi	is page or look at the p	op-up text over the				
Proposed change affects: UICC apps# ME X Radio Access Network Core Network							
Title: 第 (CR 34.108 Rel-4: EF _{RPLMNACT}	(RPLMN Last used Ac	cess Technology) removed				
Source: # N	Nokia						
Work item code:	ΓΕΙ		Date: 第 14/10/2003				
De	se <u>one</u> of the following categories F (correction) A (corresponds to a correction B (addition of feature), C (functional modification of postional modification) etailed explanations of the above of found in 3GPP TR 21.900.	es: on in an earlier release) feature)	Rel-4 Use 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) Rel-6 (Release 6)				
Reason for change:	光 TSG T3 has removed Ele Technology) from TS 31		ACT (RPLMN Last used Access				
Summary of change:	were approved (T3-0307 EF has to be deleted als	727 for R99 and T3-030 o from TS 34.108.	e EF _{RPLMNACT} from TS 31.102 0728 for Rel-4). As a consequence quired because it was used to more.				
Consequences if not approved:	# Mismatch between 31.10	02 and 34.108					
Clauses affected:	第 8.3.2.56						
Other specs affected:	 X Other core specific X Test specifications X O&M Specification 						
Other comments:	x						

How to create CRs using this form:

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- 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.

<START OF MODIFIED SECTION>

8.3.2.54 EF_{PHPI MNAT} (Preferred HPLMN Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.55 EF_{ARR} (Access rule reference)

The programming of this EF is a test house option.

8.3.2.56 VoidEF_{RPLMNACT} (RPLMN Last used Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.57 EF_{NFTPAR} (Network Parameters)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3 Contents of DFs at the USIM ADF (Application DF) level

8.3.3.1 Contents of files at the USIM SoLSA level

8.3.3.1.1 EF_{SAI} (SoLSA Access Indicator)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.2 EF_{SLL} (SoLSA LSA List)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.3 LSA Descriptor files

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.4 Contents of files at the MExE level

8.3.3.1.4.1 EF_{MExE-ST} (MExE Service table)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.2 EF_{ORPK} (Operator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.3 EF_{ARPK} (Administrator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.4 EF_{TPRPK} (Third Party Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

<END OF MODIFIED SECTION>

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3rd – 7th November 2003

				C	CHAN	IGE	REG	UE	ST	•			CR-Form-v7
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Source:	\mathbb{H}	Nok	ia										
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Category:	Ж	F E C L Detail	(corrections) (corrections) (add) (fund) (ediagon)	rection) respond lition of ctional i torial mo	ds to a confeature), modification of the TR 21.900	rrection on of fe n) above	n in an ea			2	ne of the (G 6 (R) 7 (R) 8 (R) 8 (R) 9 (R) 1-4 (R) 1-5 (R)	Rel-5 e following re SM Phase 2 elease 1996 elease 1998 elease 1999 elease 4) elease 5) elease 6)))))
Reason for ch	nange	e: #		1 and I 34.108		ave ag	reed tha	t the	bear	er combir	nation s	hould be in	cluded
Summary of o	chang	ıe: ₩			bination B: RAB					nd UL 64	kbps C	DL 768 kbps	s added
Consequence not approved.		ж	RAN	1 and I	RAN2 re	comm	endatio	ns not	t follo	wed.			
Clauses affec	ted:	ж	Anne	ex B									
Other specs affected:		¥	Y N X X	Test s	core spespecifica	tions		¥	34.1	23-1, 34	.123-2,	34.123-3	
Other comme	nts:	\mathfrak{H}											

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- 1) Fill out the above form. The symbols above marked \$\mathbb{X}\$ contain pop-up help information about the field that they are closest to.
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3)	3) With "track changes" disabled, paste the entire CR form (the clause containing the first piece of changed text. Delethe change request.	use CTRL-A to select it) into the specification just in front of ete those parts of the specification which are not relevant to

<START OF MODIFIED SECTION>

Annex B (informative): RAB combinations for Rel-5

This annex contains information intented to be included in a future TS 34.108 Release 5. For practical reasons, it will be maintained in this Release 4 until T1 agrees to publish the Release 5 version based on the quantity of material to justify its creation.

It should be noted that the parameters of the RAB combinations were approved by RAN1 and RAN 2 and that T1 agreed that the RABs should be subjected to test coverage at the appropriate time. The fact that this annex is informative does not in any way reduce the validity of the RABs.

For ease of administration, the framework of section 6.10.2 is provided with the changes to that section with appropriate numbering in order that it can be merged into a future Release 5 version of TS 34.108.

6.10.2 RAB and signalling RB for FDD

6.10.2.1 RABs and signalling RBs

In the following clauses, the typical parameter sets are presented for reference RABs, signalling RBs and important combinations of them. The data rate given for each RAB is the maximum data rate that can be supported by that RAB.

NOTE: The granularity for each RAB needs to be clarified.

Table 6.10.2.1.1: Prioritised RABs.

37	Conversational	N/A	UL:42.8 DL:42.8	PS
38	Conversational	Speech	UL:(12.65 8.85 6.6)	CS
			DL:(12.65 8.85 6.6)	
XX	Interactive or Background	<u>N/A</u>	<u>UL:64 DL:768</u>	<u>PS</u>

Table 6.10.2.1.2: Signalling RBs

#	Maximum rate, kbps	Logical channel	PhyCh onto which SRBs are mapped
9	DL: 0.15	DCCH	DPCH

6.10.2.2 Combinations of RABs and Signalling RBs

Combinations on DPCH

- 59) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB
 - + Interactive or background / UL:16 DL:16 kbps / PS RAB
 - + Interactive or background / UL:16 DL:16 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 60) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB
 - + Interactive or background / UL:16 DL:16 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 62) Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH.

xx)Interactive or background / UL:64 DL:768 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.

6.10.2.4.1.59 Conversational / speech / UL:42.8 DL:42.8 kbps / PS RAB + Interactive / UL:16 DL:16

kbps / PS RAB + Interactive / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.59.1 Uplink

6.10.2.4.1.59.1.1 Transport channel parameters

6.10.2.4.1.59.1.1.1 Transport channel parameters for Conversational / speech / UL:42.8 kbps / PS RAB

Higher layer	RAB/S	Signalling RB	RAB
PDCP	PDCP	header size, bit	8
RLC	Logica	ll channel type	DTCH
	RLC m	node	UM
	Payloa	ad sizes, bit	920, 304, 96
	Max da	ata rate, bps	46000
	UMD F	PDU header, bit	8
MAC	MAC h	neader, bit	0
	MAC r	nultiplexing	N/A
Layer 1	TrCH t	ype	DCH
	TB siz	es, bit	928, 312, 104
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, m	S	20
	Coding	g type	TC
	CRC,		16
		umber of bits/TTI after channel coding	2844
	Uplink	: Max number of bits/radio frame before rate matching	1422
	RM att	ribute	180-220

6.10.2.4.1.59.1.1.2 Transport channel parameters for Interactive / UL:16kbps / PS RAB + UL:16 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	16000	16000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	4	4	
	MAC multiplexing	2 logical channel multiplexing		
Layer 1	TrCH type	DCH		
	TB sizes, bit	340		
	TFS TF0, bits	0x340		
	TF1, bits	1x3 ₄	40	
	TF2, bits	2X3	40	
	TTI, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	2148		
	Uplink: Max number of bits/radio frame	537		
	before rate matching			
	RM attribute	135-1	175	

6.10.2.4.1.59.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.59.1.1.4 TFCS

TFCS size	24
TFCS	(42.8 kbps Conversational RAB, Interactive 16kbps+16kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1), (TF0, TF1), (TF0, TF1, TF0), (TF0, TF1, TF1), (TF0, TF2, TF0), (TF0, TF2, TF1)
	(TF1, TF0, TF0), (TF1, TF0, TF1), (TF1, TF1, TF0), (TF1, TF1, TF1), (TF1, TF2, TF0), (TF1, TF2, TF1)
	(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF2, TF0), (TF2, TF2, TF1)
	(TF3, TF0, TF0), (TF3, TF0, TF1), (TF3,TF1, TF0), (TF3, TF1,TF1), (TF3,TF2, TF0), (TF3,TF2, TF1)

6.10.2.4.1.59.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	Puncturing Limit	0.76

6.10.2.4.1.59.2 Downlink

6.10.2.4.1.59.2.1 Transport channel parameters

6.10.2.4.1.59.2.1.1 Transport channel parameters for Conversational / speech / DL:42.8 kbps / PS RAB

Higher layer	RAB/Signalling RB		RAB
PDCP	PDCP header size, bit		8
RLC	Logica	l channel type	DTCH
	RLC m	node	UM
	Payloa	ad sizes, bit	920, 304, 96
	Max da	ata rate, bps	46000
	UMD F	PDU header, bit	8
MAC	MAC h	neader, bit	0
	MAC n	nultiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		928, 312, 104
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, m	S	20
	Coding type		TC
	CRC, bit		16
	Max no	umber of bits/TTI after channel coding	2844
	RM att	ribute	180-220

6.10.2.4.1.59.2.1.2 Transport channel parameters for Interactive / DL:16kbps / PS RAB + DL:16 kbps / PS RAB

Higher Layer	RAB/Sign	alling RB	RAB	RAB
RLC	Logical ch	annel type	DTCH	DTCH
	RLC mode	Э	AM	AM
	Payload s	izes, bit	320	320
	Max data	rate, bps	16000	16000
	AMD PDU	header, bit	16	16
MAC	MAC head	der, bit	4	4
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH type		DCH	
	TB sizes,	bit	340	
	TFS	TF0, bits	0x340	
		TF1, bits	1x340	
		TF2, bits	2X3	340
	TTI, ms		40	
	Coding type	oe	TC	
	CRC, bit		16	
	Max numb	per of bits/TTI after channel coding	214	48
	RM attribu	ıte	135-	175

6.10.2.4.1. 59.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.59.2.1.4 TFCS

TFCS size	24
TFCS	(42.8 kbps Conversational RAB, Interactive 16kbps+16kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1), (TF0, TF1), (TF0, TF1, TF0), (TF0, TF1, TF1), (TF0, TF2, TF0), (TF0, TF2, TF1)
	(TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1)
	(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2,TF1, TF0), (TF2, TF1,TF1), (TF2,TF2, TF0), (TF2,TF2, TF1)
	(TF3, TF0, TF0), (TF3, TF0, TF1), (TF3,TF1, TF0), (TF3, TF1,TF1), (TF3,TF2, TF0), (TF3,TF2, TF1)

6.10.2.4.1.59.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

6.10.2.4.1.60 Conversational / speech / UL:42.8 DL:42.8 kbps / PS RAB + Interactive / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.60.1 Uplink

6.10.2.4.1.60.1.1 Transport channel parameters

6.10.2.4.1.60.1.1.1 Transport channel parameters for Conversational / speech / UL:42.8 kbps / PS RAB

Higher layer	RAB/S	Signalling RB	RAB
PDCP	PDCP header size, bit		8
RLC	Logica	l channel type	DTCH
	RLC n		UM
	Payloa	ad sizes, bit	920, 304, 96
	Max d	ata rate, bps	46000
	UMD I	PDU header, bit	8
MAC	MAC h	neader, bit	0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB siz	es, bit	928, 312, 104
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, ms		20
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		2844
	Uplink	: Max number of bits/radio frame before rate matching	1422
	RM at	tribute	180-220

6.10.2.4.1.60.1.1.2 Transport channel parameters for Interactive / UL:16kbps / PS RAB

See clause 6.10.2.4.1.23b.1.1.1

6.10.2.4.1.60.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.60.1.1.4 TFCS

TFCS size	24
TFCS	(42.8 kbps Conversational RAB, Interactive 16kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1), (TF0, TF1), (TF0, TF1, TF0), (TF0, TF1, TF1), (TF0, TF2, TF0), (TF0, TF2, TF1)
	(TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1)
	(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF2, TF0), (TF2, TF1)
	(TF3, TF0, TF0), (TF3, TF0, TF1), (TF3, TF1, TF0), (TF3, TF1, TF1), (TF3, TF2, TF0), (TF3, TF2, TF1)

6.10.2.4.1.60.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	Puncturing Limit	0.76

6.10.2.4.1.60.2 Downlink

6.10.2.4.1.60.2.1 Transport channel parameters

6.10.2.4.1.60.2.1.1 Transport channel parameters for Conversational / speech / DL:42.8 kbps / PS RAB

Higher layer	RAB/Signalling RB		RAB
PDCP	PDCP header size, bit		8
RLC	Logica	al channel type	DTCH
	RLC m	node	UM
	Payloa	ad sizes, bit	920, 304, 96
	Max da	ata rate, bps	46000
	UMD F	PDU header, bit	8
MAC	MAC h	neader, bit	0
	MAC r	multiplexing	N/A
Layer 1	TrCH t	type	DCH
	TB siz	es, bit	928, 312, 104
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, ms		20
	Coding type		TC
	CRC, bit		16
	Max n	umber of bits/TTI after channel coding	2844
	RM att	tribute	180-220

6.10.2.4.1.60.2.1.2 Transport channel parameters for Interactive / DL:16kbps PS RAB

See clause 6.10.2.4.1.23b.2.1.1

6.10.2.4.1.60.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.60.2.1.4 **TFCS**

TFCS size	24
TFCS	(42.8 kbps Conversational RAB, Interactive 16kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1), (TF0,TF1, TF0),(TF0, TF1,TF1), (TF0,TF2, TF0), (TF0,TF2, TF1)
	(TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1)
	(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF2, TF0), (TF2, TF2, TF1)
	(TF3, TF0, TF0), (TF3, TF0, TF1), (TF3, TF1, TF0), (TF3, TF1, TF1), (TF3, TF2, TF0), (TF3, TF2, TF1)

6.10.2.4.1.60.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

6.10.2.4.1.62 Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH

6.10.2.4.1.62.1.1 Transport channel parameters

6.10.2.4.1.62.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.65 8.85 6.6) kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTC	Н
	RLC mode	TM	TM
	Payload sizes, bit	40, 54, 64, 72 (alt. 0, 40, 54, 64, 72)	78, 113, 181
	Max data rate, bps	1265	60
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
·	TB sizes, bit	40, 54, 64, 72 (alt. 0, 40, 54, 64, 72)	78, 113, 181
	TFS TF0, bits	0x72(alt. 1x0) (note)	0x181
	TF1, bits	1x40	1x78
	TF2 bits	1x54	1x113
	TF3, bits	1x64	1x181
	TF4, bits	1x72	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	276	567
	Uplink: Max number of bits/radio frame before rate matching	138	284
	RM attribute	180-220	170-210

number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.2.4.1.62.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.62.1.1.3 TFCS

TFCS size	10
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF1,TF0), (TF3,TF2,TF0), (TF4,TF3,TF0),
	(TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF1,TF1), (TF3,TF2,TF1), (TF4,TF3,TF1)

6.10.2.4.1.62.1.1.4 TFC subset list

TFC subset list	3
size	
TFC subset list	0 = {(TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF1,TF1)},
	1 = {(TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF1,TF0), (TF3,TF2,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF1,TF1), (TF3,TF2,TF1)},
	2 = {(TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF1,TF0), (TF3,TF2,TF0), (TF4,TF3,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF1,TF1), (TF3,TF2,TF1), (TF4,TF3,TF1)}

6.10.2.4.1.62.1.2 Physical channel parameters

DPCH	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
frame		
	Puncturing Limit	0.84

6.10.2.4.1.62.2 Downlink

6.10.2.4.1.62.2.1 Transport channel parameters

6.10.2.4.1.62.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.65 8.85 6.6) kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	0, 40, 54, 64, 72	78, 113, 181
	Max data rate, bps	12 6	550
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	_
	MAC multiplexing	N/A	A
Layer 1	TrCH type	DCH	DCH
•	TB sizes, bit	0, 40, 54, 64, 72	78, 113, 181
	TFS TF0, bits	1x0 (note 2)	0x181
	(note 1) TF1, bits	1x40	1x78
	TF2, bits	1x54	1x113
	TF3, bits	1x64	1x181
	TF4, bits	1x72	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after	276	567
	channel coding		
	RM attribute	180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212.).

6.10.2.4.1.62.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.62.2.1.3 Transport channel parameters for DL:0.15 kbps SRB#5 for DCCH

Higher layer	RAB/signalling RB		SRB#5	
	User of Radio Bearer		RRC	
RLC	Logical channel typ	е	DCCH	
	RLC mode		TM	
	Payload sizes, bit		3	
	Max data rate, bps		150	
	TrD PDU header, b	it	0	
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	
	TB sizes, bit		3 (alt 0, 3) (note)	
	TFS	TF0, bits	0x3 (alt 1x0) (note)	
		TF1, bits	1x3	
	TTI, ms		20	
	Coding type		CC 1/3	
	CRC, bit		8	
	Max number of bits	/TTI before rate	57	
	matching RM attribute			
			155-256	
NOTE: altern	ative parameters enable	ransport channel BLER" in the UE.		

6.10.2.4.1.62.2.1.4 TFCS

TFCS size	20
TFCS	(RAB subflow#1, RAB subflow#2, DCCH 3.4, DCCH 0.15)=
	(TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0),
	(TF4,TF3,TF0,TF0), (TF0,TF0,TF1,TF0), (TF1,TF0,TF1,TF0), (TF2,TF1,TF1,TF0),
	(TF3,TF2,TF1,TF0), (TF4,TF3,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1),
	(TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF0,TF0,TF1,TF1),
	(TF1,TF0,TF1,TF1), (TF2,TF1,TF1,TF1), (TF3,TF2,TF1,TF1), (TF4,TF3,TF1,TF1)

6.10.2.4.1.62.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	Spreading factor		128
DPCCH		Number of TFCI bits/slot	0
	Number of TPC bits/slot Number of Pilot bits/slot DPDCH Number of data bits/slot Number of data bits/frame		2
			4
			34
			510

6.10.2.4.1.xx Interactive or background / UL:64 DL:768 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.1.xx.1 Uplink

See clause 6.10.2.4.1.26.1.

6.10.2.4.1.xx.2 Downlink

6.10.2.4.1.xx.2.1 Transport channel parameters

6.10.2.4.1.xx.2.1.1 Transport channel parameters for Interactive or background / DL:768 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
layer		
RLC	Logical channel type	<u>DTCH</u>
	RLC mode	<u>AM</u>
	Payload sizes, bit	<u>320</u>
	Max data rate, bps	<u>768000</u>
	AMD PDU header, bit	<u>16</u>
MAC	MAC header, bit	<u>0</u>
	MAC multiplexing	<u>N/A</u>
Layer 1	TrCH type	<u>DCH</u>
	TB sizes, bit	<u>336</u>
	TFS TF0, bits	<u>0x336</u>
	<u>TF1, bits</u>	<u>1x336</u>
	TF2, bits	<u>2x336</u>
	TF3, bits	<u>4 x336</u>
	<u>TF4, bits</u>	<u>8 x336</u>
	TF5, bits	<u>12x336</u>
	TF6, bits	<u>16 x336</u>
	TF7, bits	<u>20 x336</u>
	TF8, bits	<u>24 x336</u>
	TF9, bits	<u>N/A (alt 28x336)</u>
	TF10, bits	N/A (alt 32x336)
	TF11, bits	N/A (alt 36x336)
	TF12, bits	N/A (alt 40x336)
	TF13, bits	<u>N/A (alt 44x336)</u>
	TF14, bits	N/A (alt 48x336)
	TTI, ms	<u>10 (alt 20)</u>
	Coding type	<u>TC</u>
	CRC, bit	<u>16</u>
	Max number of bits/TTI after channel coding	<u>25368 (alt 50736)</u>
	RM attribute	<u>110-150</u>

6.10.2.4.1.xx.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.xx.2.1.3 TFCS

18 (alt. 30)
(768 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0),
(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1)
(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0) (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1) (TF9, TF1), (TF10, TF1), (TF11, TF1), (TF12, TF1), (TF13, TF1), (TF14, TF1))

6.10.2.4.1.xx.2.2 Physical channel parameters

DPCH	DTX position		<u>Flexible</u>
<u>Downlink</u>	Spreading factor		<u>8</u>
	Number of DPCH		<u>2</u>
	DPCCH Number of TFCI bits/slot		<u>8</u>
	Number of TPC bits/slot Number of Pilot bits/slot DPDCH Number of data bits/slot		<u>8</u>
			<u>16</u>
			<u>608</u>
		Number of data bits/frame	<u>9120</u>

<END OF MODIFIED SECTION>

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3rd-7th November

CHANGE REQUEST						
[♯] TS	34.108	CR 274	⊭rev	- #	Current vers	ion: 3.13.0 #
For <u>HELP</u> on u	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \mathbb{H} symbols.					
Proposed change a	affects:	JICC apps業 <mark>─</mark>	ME X	Radio A	ccess Networ	k Core Network
Title: 第	Correctio	n of CM TGD pa	rameter			
Source: #	Ericsson					
Work item code: 第	TEI				<i>Date:</i> ∺	27/10/2003
Category: 第	F (cor A (cor B (add C (fun D (edi Detailed ex	the following cates rection) responds to a correlition of feature), ctional modification torial modification olanations of the a 3GPP TR 21.900.	rection in an ear n of feature)) bove categories		2 R96 R97 R98 R99 Rel-4 Rel-5	R99 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)
Reason for change	Reason for change: # Parameter TGD has a value range from 15 to 269 and "undefined". Currently in TS 34.108 chapter 6.8 TGD is set to value 0.					
Summary of chang	re: ⊯ Parar	neter TGD chan	ged from 0 to '	'undefined	d".	
Consequences if not approved:	署 Migh	t cause unspeci	fied UE behav	iour.		
Clauses affected:	第 6.8					
Other specs affected:	¥ X X X	Other core spe Test specificati O&M Specifica	ons	×		
Other comments:						

How to create CRs using this form:

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

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

6.8 Compressed Mode Parameters

In this clause, Parameters for reference compressed mode patterns are defined which are used in signalling test cases such as inter frequency FDD measurement, inter frequency TDD measurement and inter RAT measurement in specified [1]. These parameters are defined in [30] for measurement performance tests.

Depending on UE capability, there are four methods constructed of three types using of compressed mode such as UL only, DL only and both UL and DL, and using without application of compressed for the above measurement purposes. As test requirement is the same even if the test methods are different, ICS/IXIT statement is applied to the test cases so that the test procedure and specific message contents specified in [1] can be distinguished.

6.8.1 Single compressed mode pattern

Configuration parameters in single compressed mode pattern for one type of measurement objects are described in the following sub-clauses.

6.8.1.1 Inter Frequency FDD measurement

The configuration parameters for an inter frequency FDD measurement is shown in table 6.8.1.

Table 6.8.1: Compressed mode parameters (Inter Frequency FDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u>	
TGPL1 (Transmission Gap Pattern	3	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.2 Inter Frequency TDD measurement

The configuration parameters for an inter frequency TDD measurement is shown in table 6.8.2.

Table 6.8.2: Compressed mode parameters (Inter Frequency TDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	10	
Number)		
TGL1 (Transmission Gap Length 1)	10	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u> 0	
TGPL1 (Transmission Gap Pattern	11	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	Puncturing	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

The configuration parameters for an inter RAT measurement (GSM – Carrier RSSI) is shown in table 6.8.3.

Table 6.8.3: Compressed mode parameters (Inter RAT measurement – GSM Carrier RSSI)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u> 0	
TGPL1 (Transmission Gap Pattern	12	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.4 Inter RAT measurement (GSM – Initial BSIC Identification)

The configuration parameters for an inter RAT measurement (GSM – Init BSIC Identify) is shown in table 6.8.4.

Table 6.8.4: Compressed mode parameters (Inter RAT measurement – GSM Initial BSIC Identification)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u> 0	
TGPL1 (Transmission Gap Pattern	8	
Length)		
TGPL2 (Transmission Gap Pattern Length)	-	Only one pattern in use.
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control mode)	0	

6.8.1.5 Inter RAT measurement (GSM – BSIC re-confirmation)

The configuration parameters for an inter RAT measurement (GSM – BSIC re-confirmation) is shown in table 6.8.5.

Table 6.8.5: Compressed mode parameters (Inter RAT measurement – GSM BSIC re-confirmation)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u> 0	
TGPL1 (Transmission Gap Pattern	8	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.2 Multiple compressed mode patterns

Configuration parameters in multiple compressed mode patterns for several types of measurement objects are described in the following sub-clauses.

6.8.2.1 Inter RAT measurement GSM

The configuration parameters for an inter RAT measurement (GSM – Carrier RSSI, Initial BSIC Identification and BSIC Re-confirmation) is shown in table 6.8.6.

Table 6.8.6: Compressed mode parameters (Inter RAT measurement – GSM Carrier RSSI & Initial BSIC identification & BSIC re-confirmation)

Parameter	GSM Carrier RSSI	GSM Initial BSIC identification	GSM BSIC re- confirmation	Note
TGSN (Transmission Gap Starting Slot Number)	4	4	4	
TGL1 (Transmission Gap Length 1)	7	7	7	
TGL2 (Transmission Gap Length 2)	•	-	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u>	<u>undefined</u>	<u>undefined</u>	
TGPL1 (Transmission Gap Pattern Length)	12	8	8	
TGPL2 (Transmission Gap Pattern Length)	-	-	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (252 – TTI/10msec)) mod 256	(Current CFN + (254 – TTI/10msec)) mod 256	(Current CFN + (250 – TTI/10msec)) mod 256	Defined by higher layers
UL/DL compressed mode selection	DL, UL or DL & UL	DL, UL or DL & UL	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	SF/2	SF/2	
DL compressed mode method	SF/2	SF/2	SF/2	
Scrambling code change	No	No	No	
RPP (Recovery period power control mode)	0	0	0	
ITP (Initial transmission power control mode)	0	0	0	

6.8.2.2 FFS	Inter Frequency FDD measurement & Inter RAT measurement GSM
6.8.2.3 FFS	Inter Frequency FDD measurement & Inter Frequency TDD measurement
6.8.2.4 FFS	Inter Frequency TDD measurement & Inter RAT measurement GSM
6.8.2.5	Inter Frequency FDD measurement & Inter Frequency TDD measurement & Inter RAT measurement GSM
FFS	

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3rd - 7th November 2003

Tdoc **x** T1- 031470

Agenda 8.7.1

# 34.108 CR 276 # rev # Current version: 3.d.0 # For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols. Proposed change affects: UICC apps# MEX Radio Access Network Core Network Title: # Corrections to Default message contents of Radio Bearer Release Message Source: # Motorola and MCC 160 Work item code: # TEI Date: # 24/10/03 Category: # F Release: # R99 Use one of the following categories: Use one of the following releases: # R99 Use one of the following categories: Properties of Release 1996 (Release 1996) B (addition of feature), R97 (Release 1997) C (functional modification of feature) R98 (Release 1998) D (editorial modification) R99 (Release 1998) D (editorial modification) R99 (Release 1999) Detailed explanations of the above categories can Rel-4 (Release 4) be found in 3GPP TR 21.900. Rel-6 (Release 6)		CHANGE REQUEST						R-Form-v7							
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Source: # Motorola and MCC 160 Work item code: # TEI Date: # 24/10/03 Category: # F Use one 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 TR 21.900. Pate: # 24/10/03 Release: # R99 Use one of the following releases: Use one of the following releases: # R99 # R96 # Release 1996 # R97 # R97 # R98 # Release 1997 # R99 # Release 1999 # Release 1999 # Release 5	Proposed chang	e affec	ts: l	JICC a	ıpps#	М	EX	Rad	io Ad	cess Ne	twork	k	Core N	۷et	work
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Reason for change: 第 Typographical error in RRC Connection Setup message

In Radio bearer release message

Condition A4 - Deleted UL/DL Transport Channel Information is defined as 'Not Present', which results in not removing the UL/DL DCH for PS DTCH, and hence mismatch of TFCI.

Conditions A7 & A8 - UL common Transport channel Information is missing.

Condition A5 - Deleted UL/DL transport channel is included but the common Transport channel is said to be 'Not Present', this is an 'Invalid Configuration for UE as per clause 8.6.5.2 of 25.331

>>>

If the IE "Transport format combination set" is not included; and

if no transport format combination set is stored in the UE; or

if transport channels are added or removed in the message; or

if any transport channel is reconfigured in the message such that the size of the transport format set is changed:

the UE shall:

set the variable INVALID_CONFIGURATION to TRUE.

<<<

In Radio bearer release message for condition A6, UE will be having stored information of UL/DL DCH transport channel stored for PS DTCH, and also the TFCS as per this, which is not compatible with the state in Cell_FACH, after successful execution of radio Bearer Release procedure.

Summary of change:
Corrected typo In RRC connection Setup message
In Radio Bearer Release message for
Conditions A4 & A6 - UL DCH 1 and DL DCH 5 are included.
Conditions A5 & A6 - UL/DL Common Transport Channel Information included.
Conditions A7 & A8 - UL Common Transport Channel Information included.

Consequences if not approved:

Tests implemented with these message contents can incorrectly fail a conformant mobile

Clauses affected:	第 9.1.1
	YN
Other specs	米 X Other core specifications 米
Affected:	X Test specifications
	X O&M Specifications
Other comments:	Applicable to R99

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \(\mathbb{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

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- RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU According to TS34.108 clause 6.10.2.4.4.1 1 1 FACH Not Present Not Present - KAM DCCH for RRC) Not Present 1 No Discard - MAK_C No Discard - Mo D		1
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- Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel identity Signalling RB information to setup - RB identity - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU 1 FACH Not Present Not Present Not Present Not Present 1 KAM DCCH for RRC) Not Present 1 FACH Not Present Not Present 1 FACH Not Present 1 FACH Not Present 1 FACH Not Present 1 Not Present 1 FACH Not Present 1		1
- Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel identity - Signalling RB information to setup - RB identity - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU FACH Not Present Not Present Not Present 1 Not Present Not Present 1 Not Present 1 AM DCCH for RRC) Not Present 1 1 1 1 1 1 1 1 1 1 1 1 1		
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Signalling RB information to setup - RB identity - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU (AM DCCH for RRC) Not Present RLC info AM RLC - AM RLC No Discard 15 32 10 200 Not Present		Not Present
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- CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU RLC info AM RLC No Discard 15 500 15 12 200 Not Present	Signalling RB information to setup	(AM DCCH for RRC)
- CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU AM RLC No Discard 15 32 15 32 200 200 Not Present	- RB identity	Not Present
- Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU No Discard No Discard 15 - 32 - 15 - 32 - 10 - 200 - 10 - 200 - Not Present	- CHOICE RLC info type	RLC info
- SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Not Present	- CHOICE Uplink RLC mode	AM RLC
- MAX_DAT - Transmission window size 32 - Timer_RST 500 - Max_RST 1 - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU 15 32 500 500 500 500 500 500 500 500 500 50	- Transmission RLC discard	
- Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU 32 500 200 Not Present		No Discard
- Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU 32 500 200 Not Present	- MAX_DAT	15
- Timer_RST 500 - Max_RST 1 - Polling info - Timer_poll_prohibit 200 - Timer_poll 200 - Poll_PDU Not Present		
- Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Timer_poll - Poll_PDU 1 200 Not Present		
- Polling info - Timer_poll_prohibit 200 - Timer_poll 200 - Poll_PDU Not Present		
- Timer_poll_prohibit 200 - Timer_poll 200 - Poll_PDU 200 Not Present		
- Timer_poll 200 - Poll_PDU Not Present		200
- Poll_PDU Not Present		
	- Poll_SDU	1

Information Florent	Valuatramant
Information Element	Value/remark
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of uplink RLC logical channels 	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1
- MAC logical channel priority	2
- Downlink RLC logical channel info	
Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	AWINEC
- Transmission RLC discard - SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	000
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present

Information Element	Value/remark
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic - RB mapping info	Not Present
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
 DL DCH Transport channel identity 	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL DCH Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit list
- RLC size index - MAC logical channel priority	According to TS34.108 clause 6.10.2.4.4.1
- Downlink RLC logical channel info	3
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	200
- Timer_poll_prohibit - Timer_poll	200 200
- Timer_poii - Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDM On the se
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	
Uplink transport channel type UL Transport channel identity	DCH 5
- OE Transport channel identity - Logical channel identity	5 4
- CHOICE RLC size list	Configured
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- MAC logical channel priority - Downlink RLC logical channel ino - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel type - DL DCH Transport channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - DL DCH Transport channel identity - Logical channel information for all transport channels - PRACH TFCS - OHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFC is representation - TFCS complete reconfigure - CHOICE TFC Size - CTFC - Power offset promination - CHOICE Gain Factors - Gain factor & - Gain factor & - Reference TFC ID - OHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured UL TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured UL TrCH info		
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- Downlink transport channel type - DL DCH Transport channel identity - Logical channel identity - RLC logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel infor - Number of downlink RLC logical channels - Downlink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel information for all transport channels - PRACH TFCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFC lisgnalling - TFCI Field 1 information - CHOICE TFC Size - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type DCH DCH DCH DCH DCH Not Present 1 Not Present Not Present Not Present Not Present According to TS34.108 clause 6.10.2.4.4.1 According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) Normal Addition - CTFC - CHOICE Gain Factors - Gain factor & - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type		
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- Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel identity - DL DCH Transport channel identity - Logical channel information for all transport channels - PRACH TrCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCI Scomplete reconfigure - CHOICE TFC Size - CTFC - CHOICE TFC Size - CTFC - Power offset information - CHOICE Graph Factors - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE TrC Size - Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE TrC Size - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCH TrC Numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - Action of TrC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - According to TS34.108 clause 6.1		
- UL Transport channel identity - Logical channel information - Number of downlink RLC logical channel info - Number of downlink RLC logical channel information - Logical channel information for all transport - CHOICE Transport channel identity - Logical channel information for all transport - CHOICE Mode - TFC subset - CHOICE TFC Isignalling - TFC I Field 1 information - CHOICE TFCS representation - TFCs complete reconfigure - CHOICE TFCS representation - TFCs complete reconfigure - CHOICE TFC Size - CTFC - Power offset information - CHOICE Gain Factors - Gain factor & - Reference TFC ID - CHOICE Mode - Power offset Pp-m Added or Reconfigured TrCH information ist - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH Not Present + According to TS34.108 clause 6.10.2.4.4.1 - Addition - TFC Information - TFC Isignalling - TFC Information - CHOICE TFC Size - CTFC - This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CTFC - This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CTFC - This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CTFC - This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CTFC - CTFC - Power offset information - CHOICE TFC Size - CTFC - Power offset i		
- Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - Logical channel identity - Not Present - FDO - TFC subset - UL DCH TFCS - CHOICE TFC Signalling - TFC Field 1 information - CHOICE TFC Signalling - TFCS complete reconfigure - CHOICE TFC Size - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor &c - Power offset information - CHOICE Gain Factors - Gain factor &c - Power offset information - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - Added or Reconfigured UL TrCH information - Uplink transport channel type - CHOICE Channel - Value Material According to TS34.108 clause 6.10.2.4.4.1 - According to TS34.108 clause 6.10.2.4.4.1 - Addition - TFCS- CHOICE Transport channel type - Not Present - Addition - TFCS- CHOICE Transport channel type - CHOICE Gain Factors - CTFC - CTFC - CTFC - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor &c - CHOICE Foote - Power offset Pp-m - Added or Reconfigured UL TrCH info		I
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- Power offset information - CHOICE Gain Factors - Gain factor ßc - Gain factor ßd - Gain factor ßd - Gain factor ßd - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type - CHOICE Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"		
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- Gain factor ßd - Gain factor ßd - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		9 (higher than 64 kbps)
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- Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH	- Gain factor ßd	15
- Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		(Not Present if the above is set to Computed Gain
- CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list Added or Reconfigured UL TrCH information - Uplink transport channel type FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		Factors)
- Power offset Pp-m Added or Reconfigured TrCH information list TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"	- Reference TFC ID	0
Added or Reconfigured TrCH information list TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH		
when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH		Not Present
"CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH	Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
- Added or Reconfigured UL TrCH information - Uplink transport channel type DCH	-	when the IE "RRC state indicator" is set to
- Uplink transport channel type DCH		"CELL_FACH", need is MP to align with ASN.1"
III Transport channel identity		DCH
	 UL Transport channel identity 	5
- TFS	- TFS	

Information Element	Value/remark
- CHOICE Transport channel type	Delicated Dedicated transport channels
 Dynamic Transport format information 	·
- RLC Size	Value 16 results in an RLC size of 144 bits;
	OctetModeType1 ((8*sizeType1)+16).
 Number of TBs and TTI List 	List with single entry
- Transmission Time Interval	Not Present
 Number of Transport blocks 	0
- CHOICE Logical Channel List	ALL
 Semi-static Transport Format information 	
- Transmission time interval	40 ms
 Type of channel coding 	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
 CHOICE DL parameters 	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
	when the IE "RRC state indicator" is set to
	"CELL_FACH", need is MP to align with ASN.1"
 Added or Reconfigured DL TrCH information 	
 Downlink transport channel type 	DCH
 DL Transport channel identity 	10
- CHOICE DL parameters	Same as UL
 Uplink Transport channel type 	DCH
- UL TrCH identity	5
 DCH quality target 	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6,	
DD0 / // // //	A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
DD0		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
lata militar manta atlant manada linfa		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info	A4 A0 A0	Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
A stirration times	A7, A8	Not Droppet
Activation time	A4, A5, A6	Not Present
New U-RNTI	A4 A0 A0	Not Present
New C-RNTI	A1,A2,A3,	Not Present
New C-RNTI	A4 A5, A6, A7,	'1010 1010 1010 1010'
New C-RIVIT		1010 1010 1010 1010
N DOOLL DAIT!	A8	Not Descrit
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6,	
DDO 04-4- idi4-	A7, A8	OFIL BOIL
RRC State indicator	A1,A2, A3,	CELL_DCH
DDO Otata in diagtar	A4	OFIL FAOU
RRC State indicator	A5, A6, A7,	CELL_FACH
HTDAN DDV	A8	N (B
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
	A4,A5,A6,	
ONE CONTRACTOR	A7, A8	N . B
CN information info		Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list	A 4 A 0 A 7	Not Present
RB information to release	A1,A2, A7,	
DD identify	A8	40
- RB identity RB information to release	AO AO	10
	A2, A8	44
- RB identity	AO AO	11
RB information to release	A2, A8	40
- RB identity	A2 A4 A5	12
RB information to release	A3, A4, A5,	
DP identity	A6	20
- RB identity	A4 A2	20
RB information to be affected	A1,A2,	Not Present
	A3,A4,A5,	
Described assessment and a state of the state	A6, A7, A8	Not Descript
Downlink counter synchronisation info	A1,A2,A3,	Not Present
	A4,A5,A6,	
III Transport channel information for all transport	A7, A8	TECS reconfigured to fit the new transport
UL Transport channel information for all transport	A1, A2, A3,	TFCS reconfigured to fit the new transport
channels	A4 <u>, A5, A6,</u>	channel configuration.
UL Transport channel information for all transport	A7, A8 A5, A6	Not Present
·	AU, AB	THULF I BOBILL
channels Deleted UL TrCH Information	A4 A2 A2	
Deleted OF LIQU INIQUIIISTION	A1,A2, A3,	
	A4, A5, A6,	
Unlink transport shapped type	A7, A8	DCH
- Uplink transport channel type		DCH
- Transport channel identity		1
Deleted UL TrCH Information	A2, A8	

Information Element		Value/remark
- Transport channel identity		2
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type		DCH
- Transport channel identity	1110	3
Deleted UL TrCH Information	A4,A6	Not Present
Added or Reconfigured UL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A3, A4	TrCHs(DCH for DCCH)
 Uplink transport channel type 		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3
- Coding Rate		(standalone 13.6 kbps signalling radio bearer According to TS34.108 clause 6.10.2.4.1.3
•		(standalone 13.6 kbps signalling radio bearer
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer
- CRC size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
DL Transport channel information for all transport channels	A1, A2, A3, A4 <u>, A5,A6</u> , A7, A8	TFCS reconfigured to fit the new transport channel configuration.
DL Transport channel information for all transport channels	A5, A6	Not Present
Deleted DL TrCH Information	A1, A2,	
	A3, <u>A4,</u> A5, <u>A6,</u> A7,	
D P 1 1 1 1 1 1	A8	DOLL
- Downlink transport channel type		DCH
- Transport channel identity	10.00	6
Deleted DL TrCH Information - Downlink transport channel type	A2, A8	DCH
Transport channel identity		7
Deleted DL TrCH Information	A2, A8	'
- Downlink transport channel type	72, 70	DCH
- Transport channel identity		8
Deleted DL TrCH Information	A4,A6	Not Present
Added or Reconfigured DL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A3, A4	1 TrCHs(DCH for DCCH)
		DCH
 Downlink transport channel type 		10
Downlink transport channel type DL Transport channel identity		0
		Same as UL
DL Transport channel identity CHOICE DL parameters Uplink transport channel type		DCH
- DL Transport channel identity - CHOICE DL parameters		
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target		DCH
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity	A1,A2,A3,	DCH

Information Element		Value/remark
	A8	
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power		33dBm
Frequency info	A6	Not present
CHOICE channel requirement	A5, A6, A7, A8	Not Present
CHOICE channel requirement	A1,A2,A3,	Uplink DPCH info
Unlink DDCH nower central info	A4	
 Uplink DPCH power control info DPCCH power offset 		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
Number of EDI 55		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
- Puncturing Limit		Set
CHOICE Mode	A1,A2,A3,	FDD
	A4,A5,A6,	
	A7, A8	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6, A7, A8	Not Present
Downlink information common for all radio links	A1,A2, A3	
- Downlink DPCH info common for all RL	, , -	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
•		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
- TFCI existence		Set Reference to TS34.108 clause 6.10 Parameter
- 11 OI GAISIGIICG		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
DDOUL		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value	A 4	Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	A4	
- Downlink DPCH into common for all RL - Timing indicator		Initialise
- Firming indicator - CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		NOTE ESCUE
- DOWNINK DECH power control information - DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
- Fixed or Flexible Position		Reterence to TS34.108 clause 6.10 Parameter

Information Florant	T	Value/remark
Information Element	1	Value/remark Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Downlink information for each radio link list -Downlink information for each radio link	A1,A2,A3	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		D. ODIOU
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
Canandam, CDICI Linta		currently stored in SS) mod 38400 Not Present
- Secondary CPICH info - Secondary scrambling code		Not Present
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
oproducing ractor		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH Downlink information for each radio link list	A4	Not Present
-Downlink information for each radio link	A4	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
On any demand ODIOLL in fa		38400 Net Bresset
- Secondary CPICH info - Secondary scrambling code		Not Present
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
3		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Not Present
- Downlink information for each radio link	A5, A7, A8	FDD
- Choice mode - Primary CPICH info		FUU
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
i filliary sorambiling code		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
. 200 0000apping	1	

Information Element		Value/remark
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

CHANGE REQUEST								
*	<mark>34.108</mark> CR <mark>267</mark> ж।	rev 1 ^{# Current version:} 3.13.0) #					
For <u>HELP</u> on u	sing this form, see bottom of this pa	age or look at the pop-up text over the 光 sy	mbols.					
	Proposed change affects: UICC apps# ME X Radio Access Network Core Network							
Title: ∺	Test frequencies of UMTS800MH	dz band VI						
Source: #	NTT DoCoMo, Fujitsu, Panasonic	С						
Work item code: ₩	WT_53	Date: 第 11/04/2003						
Category: 第	Use one of the following categories: F (correction) A (corresponds to a correction in B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above cate be found in 3GPP TR 21.900.	R97 (Release 1997) ture) R98 (Release 1998) R99 (Release 1999))))					
Reason for change	Introducing DS-CDMA into 80 FDD mode test frequency (ba							
Summary of chang	re: Clause 5.1.1.3 FDD referenc	ce test frequencies for Operating Band VI is	created.					
Consequences if not approved:	第 Japanese regulatory can not	ot introduce DS-CDMA into 800MHz band in	Japan.					
Clauses affected:	¥ 5.1							
Other specs affected:	Y N X Other core specification Test specifications O&M Specifications	ons #						
Other comments:	x							

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

5.1 Test frequencies

The test frequencies are based the UMTS frequency bands defined in the core specifications.

To avoid interference with adjacent frequency bands the lowest test frequency (downlink and uplink) needs to be offset upwardly by at least 2,6 MHz since the channel's width is 5 MHz and the raster spacing is 200KHz. Similarly the highest test frequency (downlink and uplink) needs to be offset downwardly by at least 2,6 MHz.

NOTE1: Additional regulations concerning interferences to frequency bands used by different systems may also exist. Those regulations are specific to the country where the test equipment is used and need to be taken into account if they require a higher offset than 2,6 MHz from the edge frequencies.

NOTE2: In Band VI, to avoid interference with adjacent frequency bands the lowest test frequency (downlink and uplink) needs to be offset upwardly by at least 2,5 MHz, highest test frequency (downlink and uplink) needs to be offset downwardly by at least 2,5 MHz from the edge frequencies since additional center frequencies are specified according to [11] and the center frequencies for these channels are shifted 100kHz relative to the normal raster.

5.1.1 FDD Mode Test frequencies

UTRA/FDD is designed to operate in one of three paired bands [11]. The reference test frequencies for the common test environment for each of the 43 operating bands are defined in the following tables:

5.1.1.1 FDD reference test frequencies for Operating Band I

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	9 613	1 922.6 MHz	10 563	2 112.6 MHz
Mid Range	9 750	1 950.0 MHz	10 700	2 140.0 MHz
High Range	9 887	1 977.4 MHz	10 837	2 167.4 MHz

5.1.1.2 FDD reference test frequencies for Operating Band II

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	9 263	1 852.6 MHz	9 663	1 932.6 MHz
Mid Range	9 400	1 880 MHz	9 800	1 960 MHz
High Range	9 537	1 907.4 MHz	9 937	1 987.4 MHz

5.1.1.3 FDD reference test frequencies for Operating Band III

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	8 563	1 712.6 MHz	9 038	1 807.6 MHz
Mid Range	8 737	1 747.4 MHz	9 212	1 842.4 MHz
High Range	8 912	1 782.4 MHz	9 387	1 877.4 MHz

5.1.1.4 FDD reference test frequencies for Operating Band VI

Test Frequency ID	<u>UARFCN</u>	Frequency of Uplink	<u>UARFCN</u>	Frequency of Downlink
Low Range	<u>812</u>	832.5 MHz	<u>1 037</u>	877.5 MHz
Mid Range	<u>825</u>	<u>835.1MHz</u>	<u>1 050</u>	880.1 MHz
High Range	<u>837</u>	837.5 MHz	1 062	882.5 MHz

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CHANGE REQUEST							CR-Form-v7
ж (<mark>34.108</mark>	CR <mark>268</mark>	≋rev	1 **	Current vers	ion: 4.8.0	¥
For <u>HELP</u> on usi	ng this fo	rm, see bottom	of this page or	look at the	pop-up text	over the % syr	mbols.
Proposed change af	fects:	UICC appsЖ	ME X	Radio Ac	cess Networ	k Core Ne	etwork
Title:	Introduci	ng DS-CDMA i	nto 800MHz ba	nd			
Source: #	NTT DoC	C <mark>oMo, Fujitsu, F</mark>	Panasonic				
Work item code: 第	WT_53				Date: ♯	11/04/2003	
	Jse <u>one</u> of F (cor A (cor B (add C (fur D (edd	dition of feature), actional modificat itorial modificatio	orrection in an ea tion of feature) on) above categorie	rlier release)	2) R96 R97 R98 R99 Rel-4	Rel-4 the following relations (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	
Reason for change:		•	MA into 800MH quency (bands		•		
Summary of change	:Ж Clau	ıse 5.1.1.3 FD[O reference test	frequencie	s for Operat	ing Band VI is	created.
Consequences if not approved:	ж <mark>Japa</mark>	anese regulator	ry can not introd	duce DS-CI	OMA into 800	OMHz band in	Japan.
Clauses affected:	光 5.1						
Other specs affected:	X X	Test specification	ations				
Other comments:	\mathbb{H}						

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

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NOTE1: Additional regulations concerning interferences to frequency bands used by different systems may also exist. Those regulations are specific to the country where the test equipment is used and need to be taken into account if they require a higher offset than 2,6 MHz from the edge frequencies.

NOTE2: In Band VI, to avoid interference with adjacent frequency bands the lowest test frequency (downlink and uplink) needs to be offset upwardly by at least 2,5 MHz, highest test frequency (downlink and uplink) needs to be offset downwardly by at least 2,5 MHz from the edge frequencies since additional center frequencies are specified according to [11] and the center frequencies for these channels are shifted 100kHz relative to the normal raster.

5.1.1 FDD Mode Test frequencies

UTRA/FDD is designed to operate in one of three paired bands [11]. The reference test frequencies for the common test environment for each of the 43 operating bands are defined in the following tables:

5.1.1.1 FDD reference test frequencies for Operating Band I

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High Range	9 887	1 977.4 MHz	10 837	2 167.4 MHz

5.1.1.2 FDD reference test frequencies for Operating Band II

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
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Mid Range	9 400	1 880 MHz	9 800	1 960 MHz
High Range	9 537	1 907.4 MHz	9 937	1 987.4 MHz

5.1.1.3 FDD reference test frequencies for Operating Band III

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	8 563	1 712.6 MHz	9 038	1 807.6 MHz
Mid Range	8 737	1 747.4 MHz	9 212	1 842.4 MHz
High Range	8 912	1 782.4 MHz	9 387	1 877.4 MHz

5.1.1.4 FDD reference test frequencies for Operating Band VI

Test Frequency ID	<u>UARFCN</u>	Frequency of Uplink	<u>UARFCN</u>	Frequency of Downlink
Low Range	<u>812</u>	832.5 MHz	<u>1 037</u>	<u>877.5 MHz</u>
Mid Range	<u>825</u>	<u>835.1MHz</u>	<u>1 050</u>	880.1 MHz
High Range	<u>837</u>	837.5 MHz	<u>1 062</u>	882.5 MHz

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3rd-7th November

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Title: 第	Correctio	n of CM TGD par	ameter				
Source: #	Ericsson						
Work item code: ∺	TEI				Date: ₩	04/11/2003	
Category:	F (cor A (cor B (add C (fun D (edi Detailed ex	the following categrection) responds to a corredition of feature), ctional modification torial modification) planations of the ab 3GPP TR 21.900.	ection in an ear		Use <u>one</u> of t 2 9) R96 R97 R98 R99 Rel-4 Rel-5	REL-4 the following rela (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	eases:
Reason for change	TS 34	.108 chapter 6.8	TGD is set to	value 0.		defined". Curre	ntly in
Summary of chang Consequences if not approved:		neter IGD chang			r. 		
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3)	3) With "track changes" disabled, paste the entire CR form (the clause containing the first piece of changed text. Delethe change request.	use CTRL-A to select it) into the specification just in front of ete those parts of the specification which are not relevant to

6.8 Compressed Mode Parameters

In this clause, Parameters for reference compressed mode patterns are defined which are used in signalling test cases such as inter frequency FDD measurement, inter frequency TDD measurement and inter RAT measurement in specified [1]. These parameters are defined in [30] for measurement performance tests.

Depending on UE capability, there are four methods constructed of three types using of compressed mode such as UL only, DL only and both UL and DL, and using without application of compressed for the above measurement purposes. As test requirement is the same even if the test methods are different, ICS/IXIT statement is applied to the test cases so that the test procedure and specific message contents specified in [1] can be distinguished.

6.8.1 Single compressed mode pattern

Configuration parameters in single compressed mode pattern for one type of measurement objects are described in the following sub-clauses.

6.8.1.1 Inter Frequency FDD measurement

The configuration parameters for an inter frequency FDD measurement is shown in table 6.8.1.

Table 6.8.1: Compressed mode parameters (Inter Frequency FDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u> 0	
TGPL1 (Transmission Gap Pattern	3	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.2 Inter Frequency TDD measurement

The configuration parameters for an inter frequency TDD measurement is shown in table 6.8.2.

Table 6.8.2: Compressed mode parameters (Inter Frequency TDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	10	
Number)		
TGL1 (Transmission Gap Length 1)	10	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u>	
TGPL1 (Transmission Gap Pattern	11	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	Puncturing	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

The configuration parameters for an inter frequency RAT measurement (GSM – Carrier RSSI) is shown in table 6.8.3.

Table 6.8.3: Compressed mode parameters (Inter RAT measurement – GSM Carrier RSSI)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u>	
TGPL1 (Transmission Gap Pattern	12	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	BE, GE OF SOM BE AND GE
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.4 Inter RAT measurement (GSM – Initial BSIC Identification)

The configuration parameters for an inter frequency RAT measurement ($GSM-Initial\ BSIC\ Identification$) is shown in table 6.8.4.

Table 6.8.4: Compressed mode parameters (Inter RAT measurement – GSM Initial BSIC Identification)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u> 0	
TGPL1 (Transmission Gap Pattern	8	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.5 Inter RAT measurement (GSM – BSIC re-confirmation)

The configuration parameters for an inter RAT measurement (GSM – BSIC re-confirmation) is shown in table 6.8.5.

Table 6.8.5: Compressed mode parameters (Inter RAT measurement – GSM BSIC re-confirmation)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u>	
TGPL1 (Transmission Gap Pattern	8	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
	2=/2	DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.2 Multiple compressed mode patterns

Configuration parameters in multiple compressed mode patterns for several types of measurement objects are described in the following sub-clauses.

6.8.2.1 Inter RAT measurement GSM

The configuration parameters for an inter RAT measurement (GSM – Carrier RSSI, Initial BSIC Identification and BSIC Re-confirmation) is shown in table 6.8.6.

Table 6.8.6: Compressed mode parameters (Inter RAT measurement – GSM Carrier RSSI & Initial BSIC identification & BSIC re-confirmation)

Parameter	GSM Carrier RSSI	GSM Initial BSIC identification	GSM BSIC re- confirmation	Note
TGSN (Transmission Gap Starting Slot Number)	4	4	4	
TGL1 (Transmission Gap Length 1)	7	7	7	
TGL2 (Transmission Gap Length 2)	•	-	-	Only one gap in use.
TGD (Transmission Gap Distance)	<u>undefined</u>	<u>undefined</u>	<u>undefined</u>	
TGPL1 (Transmission Gap Pattern Length)	12	8	8	
TGPL2 (Transmission Gap Pattern Length)	-	-	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (252 – TTI/10msec)) mod 256	(Current CFN + (254 – TTI/10msec)) mod 256	(Current CFN + (250 – TTI/10msec)) mod 256	Defined by higher layers
UL/DL compressed mode selection	DL, UL or DL & UL	DL, UL or DL & UL	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	SF/2	SF/2	
DL compressed mode method	SF/2	SF/2	SF/2	
Scrambling code change	No	No	No	
RPP (Recovery period power control mode)	0	0	0	
ITP (Initial transmission power control mode)	0	0	0	

6.8.2.2 FFS	Inter Frequency FDD measurement & Inter RAT measurement GSM
6.8.2.3 FFS	Inter Frequency FDD measurement & Inter Frequency TDD measurement
6.8.2.4 FFS	Inter Frequency TDD measurement & Inter RAT measurement GSM
6.8.2.5	Inter Frequency FDD measurement & Inter Frequency TDD measurement & Inter RAT measurement GSM
FFS	

Tdoc # T1- 031594

Agenda 8.7.1

(Release 5)

(Release 6)

Rel-5

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Proposed chang	je a	ffects:	UICC apps郑[ME	K Ra	dio A	ccess Net	work	Core N	letwork
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Reason for change: # Typographical error in RRC Connection Setup message

be found in 3GPP TR 21.900.

In Radio bearer release message

Condition A4 - Deleted UL/DL Transport Channel Information is defined as 'Not Present', which results in not removing the UL/DL DCH for PS DTCH, and hence mismatch of TFCI.

Conditions A7 & A8 - UL common Transport channel Information is missing.

Condition A5 - Deleted UL/DL transport channel is included but the common Transport channel is said to be 'Not Present', this is an 'Invalid Configuration for UE as per clause 8.6.5.2 of 25.331

>>>

If the IE "Transport format combination set" is not included; and

if no transport format combination set is stored in the UE; or

if transport channels are added or removed in the message; or

if any transport channel is reconfigured in the message such that the size of the transport format set is changed:

the UE shall:

set the variable INVALID_CONFIGURATION to TRUE.

<<<

In Radio bearer release message for condition A6, UE will be having stored information of UL/DL DCH transport channel stored for PS DTCH, and also the TFCS as per this, which is not compatible with the state in Cell_FACH, after successful execution of radio Bearer Release procedure.

Summary of change:
Corrected typo In RRC connection Setup message
In Radio Bearer Release message for
Conditions A4 & A6 - UL DCH 1 and DL DCH 5 are included.
Conditions A5 & A6 - UL/DL Common Transport Channel Information included.
Conditions A7 & A8 - UL Common Transport Channel Information included.

Consequences if not approved:

**Tests implemented with these message contents can incorrectly fail a conformant mobile

Clauses affected:	第 9.1.1
Other specs Affected:	Y N X Other core specifications
Other comments:	# Applicable to Rel4

How to create CRs using this form:

- 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 ftp://ftp.3gpp.org/specs/ 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.

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
miliai 62 identity	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	Not Fresent (Now)
	0000 0000 0004P
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- SDU discard mode	Not present
- CHOICE Downlink RLC mode	UM RLC
	OWI REC
- RB mapping info	2 DDM:wOntions
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
 Number of uplink RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
 Logical channel identity 	1
- CHOICE RLC size list	Configured
 MAC logical channel priority 	1
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1
 MAC logical channel priority 	1
 Downlink RLC logical channel info 	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	/ NVI IVEO
	No Discard
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
Timer_poll_prohibit	200
	200
- Timer_poll	200
- I imer_poll - Poll_PDU	Not Present

Information Element	Value/remark
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE 99
- Poll_Windows - Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 DDM:wOntions
Information for each multiplexing option RLC logical channel mapping indicator	2 RBMuxOptions Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
 DL DCH Transport channel identity DL DSCH Transport channel identity 	10 Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1
- MAC logical channel priority	2
Downlink RLC logical channel info Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard - SDU discard mode	No Discard
- MAX DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	TDUE
- Last transmission PDU poll	TRUE TRUE
- Last retransmission PDU poll- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present

Information Element	Value/remark
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic - RB mapping info	Not Present
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
 DL DCH Transport channel identity 	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL DCH Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit list
- RLC size index - MAC logical channel priority	According to TS34.108 clause 6.10.2.4.4.1
- Downlink RLC logical channel info	3
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	200
- Timer_poll_prohibit - Timer_poll	200 200
- Timer_poii - Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDM On the se
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	
Uplink transport channel type UL Transport channel identity	DCH 5
- OE Transport channel identity - Logical channel identity	5 4
- CHOICE RLC size list	Configured
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- MAC logical channel priority - Downlink RLC logical channel ino - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel type - DL DCH Transport channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - DL DCH Transport channel identity - Logical channel information for all transport channels - PRACH TFCS - OHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFC is representation - TFCS complete reconfigure - CHOICE TFC Size - CTFC - Power offset promination - CHOICE Gain Factors - Gain factor & - Gain factor & - Reference TFC ID - OHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured UL TrCH information - Uplink transport channel type - CHOICE mode - Power offset prom - Added or Reconfigured UL TrCH info		
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- Downlink transport channel type - DL DCH Transport channel identity - Logical channel identity - RLC logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel infor - Number of downlink RLC logical channels - Downlink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel information for all transport channels - PRACH TFCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFC lisgnalling - TFCI Field 1 information - CHOICE TFC Size - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type DCH DCH DCH DCH DCH Not Present 1 Not Present Not Present Not Present Not Present According to TS34.108 clause 6.10.2.4.4.1 According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) Normal Addition - CTFC - CHOICE Gain Factors - Gain factor & - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type		
DL DCH Transport channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - MAC logical channel identity - Downlink RLC logical channels - Nut Present - Not Present - Duncting to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - Not Present - Not Prese		
- DL DSCH Transport channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel dentity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel info - Number of downlink RLC logical channels - Downlink transport channel identity - DL DSCH Transport channel identity - Logical channel identity - UL DSCH Transport channel identity - Logical channel identity - UL DCH TrCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFC lisgnalling - TFCI Field 1 information - CHOICE TFC Size - CTFC - Power offset information - CHOICE Gain Factors - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport drannel type - Added or Reconfigured UL TrCH information - Uplink transport channel identity - Added or Reconfigured UL TrCH information - Uplink transport channel identity - CADD - CHOICE TFC Information - CHOICE TFC Size - CTFC - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel identity - CELL_FACH*, need is MP to align with ASN.1* Not Present - Added or Reconfigured UL TrCH information - CHOICE TFC Size - CTFC information - CHOICE TFC Size - CTFC information - CHOICE Gain Factors - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type		
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- Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel identity - DL DCH Transport channel identity - Logical channel information for all transport channels - PRACH TrCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCI Scomplete reconfigure - CHOICE TFC Size - CTFC - CHOICE TFC Size - CTFC - Power offset information - CHOICE Graph Factors - Gain factor & - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE TrC Size - Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE TrC Size - CHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCH - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCH - Power offset Pp-m Added or Reconfigured UL TrCH information - Uplink transport channel type - DCH - Power offset Pp-m Added Or Reconfigured UL TrCH information - Uplink transport channel type - DCHOICE mode - Power offset Pp-m Added Or Reconfigured UL TrCH information - DCHOICE mode - Power Offset Pp-m Added Or Reconfigur		
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- CHOICE Gain Factors - Gain factor ßc - Gain factor ßd - Gain factor ßd - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information - Uplink transport channel type - CHOICE Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) (Not Present if the above is set to Computed Gain Factors) 15 (Not Present if the above is set to Computed Gain Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH	- Power offset information	,
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- Gain factor ßc - Gain factor ßc 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors) - Gain factor ßd 15 (Not Present if the above is set to Computed Gain Factors) - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"		
(Not Present if the above is set to Computed Gain Factors) - Gain factor ßd - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type (Not Present if the above is set to Computed Gain Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"	- Gain factor ßc	11 (below 64 kbps)
- Gain factor ßd - Gain factor ßd - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		9 (higher than 64 kbps)
- Gain factor ßd - Gain factor ßd - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		(Not Present if the above is set to Computed Gain
(Not Present if the above is set to Computed Gain Factors) - Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type (Not Present if the above is set to Computed Gain Factors) Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"		
- Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH	- Gain factor ßd	15
- Reference TFC ID - CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		(Not Present if the above is set to Computed Gain
- CHOICE mode - Power offset Pp-m Added or Reconfigured TrCH information list Added or Reconfigured UL TrCH information - Uplink transport channel type FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" DCH		Factors)
- Power offset Pp-m Added or Reconfigured TrCH information list TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"	- Reference TFC ID	0
Added or Reconfigured TrCH information list TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH		
when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH		Not Present
"CELL_FACH", need is MP to align with ASN.1" - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH	Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
- Added or Reconfigured UL TrCH information - Uplink transport channel type DCH	-	when the IE "RRC state indicator" is set to
- Uplink transport channel type DCH		"CELL_FACH", need is MP to align with ASN.1"
III Transport channel identity		DCH
	 UL Transport channel identity 	5
- TFS	- TFS	

Information Element	Value/remark
- CHOICE Transport channel type	Delicated Dedicated transport channels
- Dynamic Transport format information	·
- RLC Size	Value 16 results in an RLC size of 144 bits;
	OctetModeType1 ((8*sizeType1)+16).
 Number of TBs and TTI List 	List with single entry
- Transmission Time Interval	Not Present
 Number of Transport blocks 	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
 CHOICE DL parameters 	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
-	when the IE "RRC state indicator" is set to
	"CELL_FACH", need is MP to align with ASN.1"
 Added or Reconfigured DL TrCH information 	·
 Downlink transport channel type 	DCH
 DL Transport channel identity 	10
- CHOICE DL parameters	Same as UL
 Uplink Transport channel type 	DCH
- UL TrCH identity	5
 DCH quality target 	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark
Message Type	A1, A2, A3, A4, A5, A6, A7, A8	
RRC transaction identifier Integrity check info	ΑΙ, ΛΟ	Arbitrarily selects an integer between 0 and 3
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/
		leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its internal counter.
Integrity protection mode info Ciphering mode info		Not Present Not Present
Activation time	A1, A2, A3, A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time New U-RNTI	A4, A5, A6	Not Present Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6, A7, A8	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1,A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6, A7, A8	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
CN information info Signalling Connection release indication URA identity	711,710	Not Present Not Present Not Present
RAB information to reconfigure list RB information to release	A1,A2, A7, A8	Not Present
- RB identity	Ao	10
RB information to release - RB identity	A2, A8	11
RB information to release - RB identity	A2, A8	12
RB information to release	A3, A4, A5, A6	
- RB identity	1440	20
RB information to be affected	A1,A2, A3,A4,A5, A6, A7, A8	Not Present
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
UL Transport channel information for all transport channels	A1, A2, A3, A4, A5, A6, A7, A8	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1,A2, A3, <u>A4,</u> A5, <u>A6,</u> A7, A8	
Uplink transport channel typeTransport channel identity	·	DCH 1
Deleted UL TrCH Information - Uplink transport channel type	A2, A8	DCH

Information Element		Value/remark
- Transport channel identity		2
Deleted UL TrCH Information	A2, A8	
 Uplink transport channel type 		DCH
- Transport channel identity		3
Deleted UL TrCH Information	A4, A6	Not Present
Added or Reconfigured UL TrCH information	A5, A6, A7,	Not Present
	A8	
Added or Reconfigured UL TrCH information	A1, A2, A3,	TrCHs(DCH for DCCH)
•	A4	·
 Uplink transport channel type 		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		•
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3
		(standalone 13.6 kbps signalling radio bear
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3
		(standalone 13.6 kbps signalling radio bear
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3
		(standalone 13.6 kbps signalling radio bear
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3
. Talletti and and tall		(standalone 13.6 kbps signalling radio bear
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3
Type of charmor scaning		(standalone 13.6 kbps signalling radio bear
- Coding Rate		According to TS34.108 clause 6.10.2.4.1.3
County Nato		(standalone 13.6 kbps signalling radio bear
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3
rate matering attribute		(standalone 13.6 kbps signalling radio bear
- CRC size		According to TS34.108 clause 6.10.2.4.1.3
010 0120		(standalone 13.6 kbps signalling radio bear
DL Transport channel information for all transport	A1, A2, A3,	TFCS reconfigured to fit the new transport
channels	A4, A5, A6,	channel configuration.
	A7, A8	grammer corningaration.
DL Transport channel information for all transport	A5, A6	Not Present
channels	, ,	
Deleted DL TrCH Information	A1, A2, A3,	
	A4, A5, A6,	
	A7, A8	
- Downlink transport channel type	, -	DCH
- Transport channel identity		6
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type	,	DCH
- Transport channel identity		7
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type	,	DCH
- Transport channel identity		8
Deleted DL TrCH Information	A4, A6	Not Present
Added or Reconfigured DL TrCH information	A5, A6, A7,	Not Present
	A8	
Added or Reconfigured DL TrCH information	A1, A2, A3,	1 TrCHs(DCH for DCCH)
	A4	
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		Not Present
	A4 A2 A2	INUL FIESEIIL
Frequency info	A1,A2,A3,	
	A4,A5, A7,	

Information Element		Value/remark
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power		33dBm
	100	
Frequency info	A6	Not Present
CHOICE channel requirement	A5, A6, A7, A8	Not Present
CHOICE channel requirement	A1,A2,A3, A4	Uplink DPCH info
 Uplink DPCH power control info 		
- DPCCH power offset		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
- Puncturing Limit		Set Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE Mode	A1,A2,A3,	FDD
	A4,A5,A6,	
	A7, A8	
- Downlink PDSCH information	,	Not Present
Downlink information common for all radio links	A5, A6,	Not Present
Downlink information common for all radio links	A7, A8	THOU TOOGHE
Downlink information common for all radio links	A1,A2, A3	
- Downlink DPCH info common for all RL	711,712,710	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
		Not Flesent
 Downlink DPCH power control information DPC mode 		O (cincle)
		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
 Spreading factor 		Reference to TS34.108 clause 6.10 Parameter
		Set
 Fixed or Flexible Position 		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
0.10.02 0.		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- SSDT Information - Default DPCH Offset Value		
	Λ.4	Not Present
Downlink information common for all radio links	A4	
Devention DDOLLinfo comment (U.D.)		
- Downlink DPCH info common for all RL		Initialiaa
- Timing indicator		Initialise
- Timing indicator- CFN-targetSFN frame offset		Initialise Not Present
- Timing indicator- CFN-targetSFN frame offset- Downlink DPCH power control information		Not Present
 - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode 		
 - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode 		Not Present
 - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode 		Not Present 0 (single)
 - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode 		Not Present 0 (single) FDD
 - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset P_{Pilot-DPDCH} - DL rate matching restriction information 		Not Present 0 (single) FDD 0
 - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset P_{Pilot-DPDCH} 		Not Present 0 (single) FDD 0 Not Present
 Timing indicator CFN-targetSFN frame offset Downlink DPCH power control information DPC mode CHOICE mode Power offset P_{Pilot-DPDCH} DL rate matching restriction information 		Not Present 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter

Information Element		Value/remark
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
DDCH compressed made info		Set Not Propert
- DPCH compressed mode info		Not Present
 TX Diversity mode SSDT information 		None Net Brogent
- Default DPCH Offset Value		Not Present
Downlink information for each radio link list	A4 A2 A2	Arbitrary set to value 0306688 by step of 512
-Downlink information for each radio link list	A1,A2,A3	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
DDCCI I with CHO DCI I into		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Drimery CDICH recycles wood
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
Secondary CDICH info		currently stored in SS) mod 38400 Not Present
 Secondary CPICH info Secondary scrambling code 		Not Present
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	THOU TOOGHT
-Downlink information for each radio link	1	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
· ····································		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
 Secondary scrambling code 		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH	A =	Not Present
- Downlink information for each radio link	A5, A7, A8	500
- Choice mode		FDD
- Primary CPICH info		D (, , , , , , , , , , , , , , , , , ,
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
PD0011 with 0110 P0111 (6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present

Information Element		Value/remark
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Non speech to CELL_FACH from CELL_DCH in CS"
A8	This IE need for "Speech to CELL_FACH from CELL_DCH in CS"

3GPP TSG- T1 Meeting #21 Budapest, 3rd – 7th November 2003

CHANGE REQUEST													
*	34	.108	CR	259		жrev	2	Ж	Current	versio	n: 3	3.13.	0 [#]
For <u>HELP</u> on	using	this for	m, see	e bottom	of this	page or	look	at th	е рор-ир	text o	ver t	he Ж sy	ymbols.
Proposed change	affec	<i>ts:</i> (JICC a	apps#		ME	(Rad	dio A	ccess Ne	etwork		Core N	letwork
Title:	CON		TION S										nd RRC 1362 and
Source:	€ An	ite Tele	ecoms										
Work item code: 8	€ TE	l							Dat	e: #	04/1	1/03	
Category:	€ F								Releas	e: #	R99		
Reason for chang		CONNTMSI (Remo	NECTION IN THE NECTIO	ON REQ is for the hanges of TYPE sages a	UEST PS do covere 1, RR0 re upd	and RR omain. d in T1- C CONN ated so	C CÓ 03159 ECTI	NNE (2) ON F	CTION S	SETUF	RRC	ssages CONN	will be P-
		the ch	ange i	n UE Ide	entity I	E.							
Consequences if not approved:	ж	The s	pecifie	d values	will be	e incorre	ct.						
Clauses affected:	×	7.1.2	2.4										
Other specs Affected:	¥	Y N X X	Othe Test	r core sp specifica Specific	ations		¥						
Other comments:	ж	Affec	cts R99	test cas	ses.								

How to create CRs using this form:

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

- 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 ftp://ftp.3gpp.org/specs/ 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

.....

7.1.2.4.1 PAGING TYPE 1

This message is sent from the SS to the UE, using the TM RLC SAP, on the PCCH logical channel:

	Value/Remark						
Message Type	PAGING TYPE 1						
UE Information elemen							
Paging record list	Paging rec	ord	CN originator	Paging cause	Terminating Speech Call (note)		
				CN domain identity	CS domain (note)		
	TMSI (GSM				TMSI (GSM-MAP)		
				UE Identity	As specified during		
					Registration procedure		
Other information elem	nents						
BCCH modification info	omit						
NOTE: These defaults are applied if no subsequent procedure is to be run. Otherwise, the Paging cause, and CN domain identity and UE Identity are selected in accordance with the requirements of the							
following prod	edure.						

7.1.2.4.2 RRC CONNECTION REQUEST

This message is sent by the UE to the SS using the TM-RLC SAP. It is sent on the CCCH Logical channel.

ION					
ng cedure					
lefault 1 cell					
As declared in UE ICS					
As appropriate					
FALSE					
e checked by r, but in e.					
Not checked					
NOTE: These defaults are applied if no subsequent procedure is to be run. Otherwise, the UE Identity is selected in accordance with the requirements of the following procedure.					
F					

7.1.2.4.3 RRC CONNECTION SETUP

This message is sent from the SS to the UE using the UM-RLC SAP. The message is sent on the CCCH Logical channel.

The default RRC CONNECTION SETUP message for the transition to connected mode CELL_DCH is used except for the IE fields specified below.

Information Element			Value/Remark			
Message Type			RRC CONNECTION SETUP			
UE Information Elements						
Initial UE identity	TMSI and LAI	TMSI (GSM-MAP)	As specified during Registration procedure			
		LAI (GSM-MAP)	As specified by default 1 cell environment			
RB Information Elements						
Use default						
TrCH Information Elements	;					
Use default						
TrCH Information Elements	1					
Frequency info		As specified by default 1 cell environment				
Use default	1					
Downlink radio resources						
Use default		·				
NOTE: These defaults are ap	plied if no subsequ	uent procedure is to be run.	Otherwise, the UE Identity is selected in			
accordance with the requirem	nents of the followi	ng procedure.				

3GPP TSG- T1 Meeting #21 Budapest, 3rd – 7th November 2003

CHANGE REQUEST										CR-Form-v7			
*	34	.108	CR	260		⊭ rev	2	¥	Curren	t versio	n: 4.	8.0	ж
For <u>HELP</u> on us	sing i	his for	m, see	bottom	of this	page or	look a	at the	е рор-ир	text o	er the	₩ syr	nbols.
Proposed change a	affec	<i>ts:</i> (JICC a	pps#		ME X	Rac	lio A	ccess N	etwork	Co	ore Ne	etwork
Title: ₩	CON		ION S	[REL-4] ETUP m									ind RRC 63 and
Source: #	Ani	te Tele	coms										
Work item code: ₩	TE								Da	te: ೫	04/11/0	03	
Category:	Α								Releas	se: #	REL-4		
Reason for change	: X	CONN TMSI	IECTION IF this i	Connection REQUESTANTED	UEST a PS do	and RR(main.	CÓ	NNE					
Summary of chang	re: ₩	SETU	P mes		e upda	ted so tl							ECTION refers to
Consequences if not approved:	Ж	The s	pecifie	d values	will be	incorrec	t for	the F	S doma	ain.			
Clauses affected:	ж	7.1.2	.4										
Other specs Affected:	ж	Y N X X	Test	core spesifications	tions	ions	*						
Other comments:	\mathfrak{H}	Affec	ts Rel	-4 test ca	ises.								

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

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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

.....

7.1.2.4.1 PAGING TYPE 1

This message is sent from the SS to the UE, using the TM RLC SAP, on the PCCH logical channel:

	Value/Remark						
Message Type	PAGING TYPE 1						
UE Information elemen							
Paging record list	Paging rec	ord	CN originator	Paging cause	Terminating Speech Call (note)		
				CN domain identity	CS domain (note)		
	TMSI (GSM				TMSI (GSM-MAP)		
				UE Identity	As specified during		
					Registration procedure		
Other information elem	nents						
BCCH modification info	omit						
NOTE: These defaults are applied if no subsequent procedure is to be run. Otherwise, the Paging cause, and CN domain identity and UE Identity are selected in accordance with the requirements of the							
following prod	edure.						

7.1.2.4.2 RRC CONNECTION REQUEST

This message is sent by the UE to the SS using the TM-RLC SAP. It is sent on the CCCH Logical channel.

Information Element	Value/Remark			
Message Type		RRC CONNECTION REQUEST		
UE information elemen	ts			
Initial UE identity	tial UE identity TMSI and LAI TMSI (GSM-MAP)			
		LAI (GSM-MAP)	As specified by default 1 cell environment	
Initial UE capability	As declared in UE ICS			
Establishment cause			As appropriate	
Protocol error indicator			FALSE	
>UE Specific Behaviour	This IE will not be checked by default behaviour, but in specific test case.			
Measurement informati	on elements			
Measured results on RA	Not checked			
NOTE: These defaults ar			Otherwise, the UE Identity is selected	

7.1.2.4.3 RRC CONNECTION SETUP

This message is sent from the SS to the UE using the UM-RLC SAP. The message is sent on the CCCH Logical channel.

The default RRC CONNECTION SETUP message for the transition to connected mode CELL_DCH is used except for the IE fields specified below.

Information Element		Value/Remark					
Message Type	RRC CONNECTION SETUP						
UE Information Elements							
Initial UE identity	TMSI and LAI	TMSI (GSM-MAP)	As specified during Registration procedure				
		LAI (GSM-MAP)	As specified by default 1 cell environment				
RB Information Elements							
Use default							
TrCH Information Elements	3						
Use default							
TrCH Information Elements	3						
Frequency info		As specified by default 1 cell environment					
Use default							
Downlink radio resources							
Use default							
NOTE: These defaults are applied if no subsequent procedure is to be run. Otherwise, the UE Identity is selected in							
accordance with the requiren	nents of the followi	ng procedure.	<u> </u>				

3GPP TSG- T1 Meeting #21 Budapest, 3rd – 7th November 2003

CHANGE REQUEST									
ж <mark>3</mark> 4	4.108 CR 278	≆rev <mark>1</mark> [∺]	Current versi	on: 3.13.0 [#]					
For <u>HELP</u> on using	this form, see bottom of this	page or look at	the pop-up text	over the % symbols.					
Proposed change affec	cts: UICC appsЖ	ME X Radio	Access Networl	k Core Network					
Title:	dification to default DPCCH_	Power_offset va	alue (Revision o	f T1-031482)					
Source: # Ar	nite Telecoms								
Work item code: 第 TE	ΞI		Date: ℜ	24/10/03					
Category: Ж F			Release: ∺	R99					
December to a change of	O Compared to the DDCCLL resu	on affact value of		Inlints DDOLL Info in					
Reason for change: #	Currently the DPCCH_pow -6dB. This value translates +54dBm (assuming an mea medium). +54dBm is beyon transmit.	s to a DPCCH_In asured CPICH_F	nitial_Power of ((RSCP of –60dBn	-6) – (-60)), i.e. n for a lossless					
	In RADIO BEARER SETUI Uplink DPCH power contro			specific fields (in					
Summary of change: ₩	Modify the DPCCH_power_value of -40) equivalent to is made to the following de	a DPCCH_initial	l_power value of	f –20dBm. This change					
	FDD:								
	PHYSICAL CHANNEL RE- RADIO BEAR SETUP RADIO BEARER RECONF RADIO BEARER RELEAS RRC CONNECTION SETU TRANSPORT CHANNEL F	FIGURATION E JP (Transition to	CELL_DCH)						
	TDD:								
	RADIO BEARER SETUP	(Remove FDD sp	pecific fields)						
Consequences if # not approved:	The DPCCH initial power e (see TS 25.101).	expected of the U	JE would be grea	ater than that permitted					
Clauses affected: #	9.1.1, 9.1.2								
Other specs #	Y N X Other core specifications	ations #							

	ſ	X O&M Specifications	
	-	<u> </u>	
Other comments:	\mathfrak{H}	Affects R99 test cases.	

How to create CRs using this form:

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

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- 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

CR page 2

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

.

<< Start of Modified Section >>

Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
550		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
Into with a wateration would info		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info Activation time	A4 A2 A2	Not Present
Activation time	A1, A2, A3 A4, A5, A6	(256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present
New U-RNTI	A4, A5, A6	Not Present
New C-RNTI	A1, A2, A3,	Not Present
New C-RNTI	A1, A2, A3, A4	Not Fresent
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	Not Present
New Door-Milit	A4, A5, A6	Not i resent
RRC State indicator	A1, A2, A3,	CELL_DCH
Titto State Indicator	A4	
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
	A4, A5, A6	
CN information info		Not Present
URA identity		Not Present
Downlink counter synchronisation info		Not Present
Frequency info	A1, A2, A3,	
	A4, A5	
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Frequency info	A6	Not Present
Maximum allowed UL TX power	45.40	33dBm
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
Unlink DDCH nower control info	A4	
 Uplink DPCH power control info DPCCH power offset 		-6dB -80dB (i.e. ASN.1 IE value of -40)
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set

Information Element	Condition	Value/remark
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10
Puncturing Limit		Parameter Set Reference to TS34.108 clause 6.10
- Puncturing Limit		Parameter Set
CHOICE Mode	A1, A2, A3,	FDD
	A4, A5, A6	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		Maintain
- Timing indicator - CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		Not i lesent
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
- Fixed or Flexible Position		Parameter Set Reference to TS34.108 clause 6.10
- FIXED OF FIEXIBLE PUSITION		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10
		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information - Default DPCH Offset Value		Not Present Not Present
Downlink information common for all radio links	A4	Not i resent
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		0 (-in al-)
- DPC mode - CHOICE mode		0 (single)
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
TECL evictories		Parameter Set Reference to TS34.108 clause 6.10
- TFCI existence		Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10
5.10.02 6.		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of
Downlink information common for all radio links	A5, A6	512 Not Present
Downlink information continuor for all radio links	A1, A2,A3	11011100011
- Choice mode	,,,	FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
DDCCII with CHO DOLLinte		6.1 (FDD)
- PDSCH with SHO DCH info - PDSCH code mapping		Not Present Not Present
- Downlink DPCH info for each RL		THOUT TOSEIN
- CHOICE mode		FDD
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value (as
5 " 15		currently stored in SS) mod 38400
- Power offset Ppilot-DPDCH		0 Not Dragget
- Secondary CPICH info		Not Present

Information Element	Condition	Value/remark
- DL channelisation code		
- Secondary scrambling code		5
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio links	A4	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
 Downlink DPCH info for each RL 		
- CHOICE mode		FDD
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value
		mod 38400
- Power offset Ppilot-DPDCH		0
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		5
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0 Not December
- SSDT Cell Identity		Not Present
Closed loop timing adjustment mode SCCPCH information for FACH		Not Present Not Present
- Downlink information for each radio link	A5	Not Present
- Downlink Information for each radio link - Choice mode	AS	FDD
- Choice mode - Primary CPICH info		FDD
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- I milary scrambing code		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present
- DOWNINK INIONNALION FOR EACH TAULU IIIK	Αυ	INOUT LESCUIL

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6,	
	A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		, ,
- message authentication code		SS calculates the value of MAC-I for this
ŭ		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5, A6,	Not Present
	A7, A8	
New U-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	
New C-RNTI	A1, A2, A3,	Not Present
	A4, A7, A8	1.51.1.100011
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	Not Present
New Doci I-KNTI	A1, A2, A3, A4, A5, A6,	Not Flesent
	A4, A3, A0, A7, A8	
RRC State indicator	A1, A2, A3,	CELL_DCH
NNO State indicator	A1, A2, A3, A4, A7, A8	CELL_DOIT
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
OTRAN DRA Cycle length coefficient	A1, A2, A3, A4, A5, A6,	Not Fresent
CN information info	A7, A8	Not Present
URA identity		Not Present
		Not Present
Signalling RB information to setup RAB information for setup	A1, A7	Not Fresent
- RAB info	A1, A1	
- RAB into		0000 0001B
- NAD Identity		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT314
- Ne-establishment timer		use1314
- RB information to setup	1	
- RB information to setup - RB identity	1	10
- PDCP info		Not Present
- PDCP IIII0 - CHOICE RLC info type		RLC info
		TM RLC
- CHOICE Uplink RLC mode		
- Transmission RLC discard		Not Present FALSE
Segmentation indication CHOICE Downlink RLC mode		
		TM RLC
- Segmentation indication		FALSE
RB mapping info Information for each multiplexing option		
		Not Propert
 RLC logical channel mapping indicator Number of uplink RLC logical channels 		Not Present
- Number of uplink REC logical channels - Uplink transport channel type		DCH
- UL Transport channel identity	1	DCH 1
- OE Transport channel identity - Logical channel identity	1	Not Present
- CHOICE RLC size list	1	
- MAC logical channel priority		Configured 7
- MAC logical channel priority - Downlink RLC logical channel info	1	'
- DOWNINK NEO IOGICAI CHANNEI INIO	<u> </u>	<u> </u>

Information Element	Condition	Value/remark
- Number of downlink RLC logical channels		1
 Downlink transport channel type 		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present Not Present
- Logical channel identity RAB information for setup	A2, A8	Not Fresent
- RAB info	ΑΖ, ΑΟ	
- RAB identity		0000 0001B
·		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		CS domain
 NAS Synchronization Indicator Re-establishment timer 		Not Present useT314
- Re-establishment timel - RB information to setup		use1314
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
Segmentation indicationCHOICE Downlink RLC mode		FALSE TM RLC
- Segmentation indication		FALSE
- RB mapping info		171202
- Information for each multiplexing option		
 RLC logical channel mapping indicator 		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
 UL Transport channel identity Logical channel identity 		1 Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		6
- Downlink RLC logical channel info		
 Number of downlink RLC logical channels 		1
- Downlink transport channel type		DCH
 DL DCH Transport channel identity DL DSCH Transport channel identity 		6 Not Present
- Logical channel identity		Not Present
- RB identity		11
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present FALSE
 Segmentation indication CHOICE Downlink RLC mode 		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
 Information for each multiplexing option 		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
 Uplink transport channel type UL Transport channel identity 		DCH 2
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
 MAC logical channel priority 		6
 Downlink RLC logical channel info 		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH 7
 DL DCH Transport channel identity DL DSCH Transport channel identity 		7 Not Present
- Logical channel identity		Not Present
- RB identity		12
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present FALSE
Segmentation indicationCHOICE Downlink RLC mode		TM RLC
- OF IOTOL DOWNWINK INLO HIDGE	1	TIVENCE

Information Element	Condition	Value/remark
- Segmentation indication		FALSE
- RB mapping info		
- Information for each multiplexing option		Not Propert
 RLC logical channel mapping indicator Number of uplink RLC logical channels 		Not Present
- Uplink transport channel type		DCH
- UL Transport channel identity		3
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		6
Downlink RLC logical channel info Number of downlink RLC logical channels		1
- Number of downlink RLC logical channels - Downlink transport channel type		DCH
- DL DCH Transport channel identity		8
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
RAB information for setup	A3, A4, A5,	
- RAB info	A6	(AM DTCH for PS domain)
- RAB identity		0000 0101B
,		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		PS domain
- NAS Synchronization Indicator		Not Present
 Re-establishment timer RB information to setup 		useT315
- RB identity		20
- PDCP info		20
- Support for lossless SRNS relocation		FALSE
- Max PDCP SN window size		Not present
- PDCP PDU header		Absent
 Header compression information 		Not present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		AM RLC
- Transmission RLC discard - CHOICE SDU discard mode		No Discard
- MAX_DAT		15
- Transmission window size		128
- Timer_RST		500
- Max_RST		4
- Polling info		
- Timer_poll_prohibit		200
- Timer_poll - Poll_PDU		200 Not Present
- Poll_SDU		1
- Last transmission PDU poll		TRUE
- Last retransmission PDU poll		TRUE
- Poll_Windows		99
- Timer_poll_periodic		Not Present
- CHOICE Downlink RLC mode		AM RLC
- In-sequence delivery		TRUE
- Receiving window size		128
Downlink RLC status infoTimer_status_prohibit		200
- Timer_status_profilbit - Timer_EPC		Not Present
- Missing PDU indicator		TRUE
- Timer_STATUS_periodic		Not Present
- RB mapping info		
 Information for each multiplexing option 		2 RBMuxOptions
- RLC logical channel mapping indicator		Not Present
Number of uplink RLC logical channels Inlink transport channel type		1 DCH
 Uplink transport channel type UL Transport channel identity 		DCH 1
Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		8
- Downlink RLC logical channel info		
		·

Information Element	Condition	Value/remark
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
DL DCH Transport channel identity DL DSCH Transport channel identity		6 Not Present
- DE DOCH Transport channel identity - Logical channel identity		Not Present
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		RACH
- UL Transport channel identity		Not Present
Logical channel identityCHOICE RLC size list		7 Explicit list
- RLC size index		Reference to TS34.108 clause 6 Parameter
THE GIEG HIGGA		Set
 MAC logical channel priority 		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
Downlink transport channel type DL DCH Transport channel identity		FACH Not Present
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		7
RB information to be affected	A1, A2, A3,	Not Present
	A4, A5, A6,	
Downlink counter aynchronication info	A7, A8	Not Present
Downlink counter synchronisation info	A1, A2, A3, A4, A5, A6,	Not Present
	A7, A8	
UL Transport channel information for all transport	A1, A2, A3,	
channels	A4, A5, A6,	
DDACH TECS	A7, A8	Not Proport
- PRACH TFCS - CHOICE mode		Not Present FDD
- TFC subset		Not Present
- UL DCH TFCS		
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		
- CHOICE TFCS representation - TFCS complete reconfigure information		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover
0.10.02 0.11 0 0.20		all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Parameter Set Reference to TS34.108 clause 6.10.2.4
- 011 0		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
Coin to the Or		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the
		CHOICE Gain Factors is set to Computed
		Gain Factors)
- Gain factor βd		15
		(Not Present if the CHOICE Gain Factors is set
- Reference TFC ID		to Computed Gain Factors)
- Reference TFC ID - CHOICE mode		0 FDD
- Power offset P p-m		Not Present
Deleted UL TrCH information	A1, A2, A3,	Not Present
	A4, A5, A6,	
Added on December 2011 ToOLLink	A7, A8	4 DOLLaddad 4 DOLLararati
Added or Reconfigured UL TrCH information	A1, A3 A4, A5, A6, A7	1 DCH added, 1 DCH reconfigured
- Uplink transport channel type	73, 70, 77	DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type	1	Dedicated transport channels

Information Element	Condition	Value/remark
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
CHOICE Logical Channel list		Set All
 CHOICE Logical Channel list Semi-static Transport Format information 		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type		DCH
- UL Transport channel identity - TFS		5
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Bodicatod transport originals
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
		Set
Added or Reconfigured UL TrCH information	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for
11.81.		DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity - TFS		5
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		·
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		,
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- CPC size		Set Peteronce to TS34 108 clause 6 10 Parameter
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set

Information Element - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - UL Transport channel type - UL Transport channel type - CHOICE Transport channel type - UL Transport channel type	rameter rameter rameter rameter rameter
- UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - Dedicated transport channels Dedicated transport channels Reference to TS34.108 clause 6.10 Pa Set All Reference to TS34.108 clause 6.10 Pa Set DCH 2	rameter rameter rameter rameter rameter
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Dedicated transport channels Reference to TS34.108 clause 6.10 Pa Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Pa Set All Reference to TS34.108 clause 6.10 Pa Set DCH 2	rameter rameter rameter rameter rameter
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Dedicated transport channels Reference to TS34.108 clause 6.10 Pa Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Pa Set All Reference to TS34.108 clause 6.10 Pa Set DCH UL Transport channel identity - TFS	rameter rameter rameter rameter rameter
- Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - Number of TBs and TTI List - Reference to TS34.108 clause 6.10 Pa Set - DCH - UL Transport channel identity - TFS	rameter rameter rameter rameter rameter
- RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Reference to TS34.108 clause 6.10 Pa Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Pa Set All Reference to TS34.108 clause 6.10 Pa Set	rameter rameter rameter rameter rameter
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel identity - TFS - Number of TBs and TTI List (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Pa Set All - Reference to TS34.108 clause 6.10 Pa Set DCH 2	rameter rameter rameter rameter rameter
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Pa Set All Reference to TS34.108 clause 6.10 Pa Set DCH 2	rameter rameter rameter rameter
- Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel identity - TFS Not Present Reference to TS34.108 clause 6.10 Pa Set All Reference to TS34.108 clause 6.10 Pa Set DCH DCH 2 DCH 2 2 - UL Transport channel identity - TFS	rameter rameter rameter rameter
- Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Reference to TS34.108 clause 6.10 Pa Set	rameter rameter rameter rameter
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS	rameter rameter rameter rameter
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS All Reference to TS34.108 clause 6.10 Pa Set DCH 2 DCH 2	rameter rameter
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - Reference to TS34.108 clause 6.10 Pa Set	rameter rameter
- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - Type of channel coding Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa	rameter rameter
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel identity - TFS - Type of channel coding Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set DCH 2 - UL Transport channel identity - TFS	rameter rameter
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set DCH 2 2	rameter
Set - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - Coding Rate - Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set DCH 2	rameter
- Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set DCH 2	rameter
- Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS	rameter
- Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Reference to TS34.108 clause 6.10 Pa Set Reference to TS34.108 clause 6.10 Pa Set DCH 2	
Set - CRC size - Uplink transport channel type - UL Transport channel identity - TFS Set Reference to TS34.108 clause 6.10 Pa Set DCH 2	
- CRC size - Uplink transport channel type - UL Transport channel identity - TFS	rameter
- Uplink transport channel type - UL Transport channel identity - TFS	rameter
- Uplink transport channel type - UL Transport channel identity - TFS	
- Uplink transport channel type - UL Transport channel identity - TFS	
- UL Transport channel identity - TFS	
- TFS	
- Dynamic Transport format information	
- RLC Size Reference to TS34.108 clause 6.10 Pa	rameter
Set	ramotor
- Number of TBs and TTI List (This IE is repeated for TFI number.)	
- Transmission Time Interval Not Present	
- Number of Transport blocks Reference to TS34.108 clause 6.10 Pa	rameter
Set	Tarricter
- CHOICE Logical Channel list All	
- Semi-static Transport Format information	
- Transmission time interval Reference to TS34.108 clause 6.10 Pa	rameter
Set	rameter
- Type of channel coding Reference to TS34.108 clause 6.10 Pa	rameter
Set	Tarrictor
- Coding Rate Reference to TS34.108 clause 6.10 Pa	rameter
Set	Tarrieter
	ramatar
5 • • • • • • • • • • • • • • • • •	iametei
- CRC size Set Reference to TS34.108 clause 6.10 Pa	ramotor
	lameter
Unlink transport channel type	
- Uplink transport channel type - UL Transport channel identity 3	
- · · · · · · · · · · · · · · · · · · ·	
- TFS CHOICE Transport channel type	
- CHOICE Transport channel type Dedicated transport channels	
- Dynamic Transport format information	*******
- RLC Size Reference to TS34.108 clause 6.10 Pa	ıameter
Set (This IF is reported for TFI surplus)	
- Number of TBs and TTI List (This IE is repeated for TFI number.)	
- Transmission Time Interval Not Present	
- Number of Transport blocks Reference to TS34.108 clause 6.10 Pa	rameter
Set	
- CHOICE Logical Channel list All	
- Semi-static Transport Format information	
- Transmission time interval Reference to TS34.108 clause 6.10 Pa	rameter
Set	
- Type of channel coding Reference to TS34.108 clause 6.10 Pa	rameter
Set	
- Coding Rate Reference to TS34.108 clause 6.10 Pa	ramatar
Set	rameter
- Rate matching attribute Reference to TS34.108 clause 6.10 Pa	
Set	

Information Element	Condition	Value/remark
- CRC size		Reference to TS34.108 clause 6.10 Parameter
CHOICE mode	A1, A2, A3, A4, A5, A6, A7, A8	Set FDD
- CPCH set ID - Added or Reconfigured TrCH information for DRAC list	,, ,	Not Present Not Present
DL Transport channel information common for all transport channel - SCCPCH TFCS	A1,A2, A7, A8	Not Present
- CHOICE mode - CHOICE DL parameters		FDD SameasUL
DL Transport channel information common for all transport channel	A3, A4, A5, A6	
- SCCPCH TFCS - CHOICE mode - CHOICE DL parameters - DL DCH TFCS		Not Present FDD Explicit
- CHOICE TFCI Signalling - TFCI Field 1 Information		Normal
- CHOICE TFCS representation - TFCS complete reconfigure		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and
- CTFC		reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	14 10 10	Not Present
Deleted DL TrCH information	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity	A1	1 DCH added, 1 DCH reconfigured DCH 6 Same as UL DCH 1
- DCH quality target - BLER Quality value - Downlink transport channel type		-2.0 DCH
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity		10 Same as UL DCH 5
- DCH quality target - BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH)
 Downlink transport channel type DL Transport channel identity CHOICE DL parameters Uplink transport channel type UL TrCH identity DCH quality target 		DCH 10 Same as UL DCH 5
- BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters		-2.0 DCH 6 Explicit
- TFS - CHOICE Transport channel type		Dedicated transport channel
Dynamic transport format information RLC Size		Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
	Condition	
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
 Dynamic transport format information 		
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		7 ***
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Hansinission time interval		Set
Type of changel anding		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		
		Set Too 1 100 1 100 1
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
 DCH quality target 		
- BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for
	, , , , ,	DTCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		_
		5
- DCH quality target		
- BLER Quality value		-2.0
 Downlink transport channel type 		DCH
 DL Transport channel identity 		6
- CHOICE DL parameters		Explicit
- TFS		
 CHOICE Transport channel type 		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
 Dynamic transport format information 		, , ,
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
ramber of transport blooks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		7.01
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Hansinission time interval		Set
Type of channel coding		
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Coding Data		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
D. (1) "" (Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		7
- CHOICE DL parameters		Explicit
- TFS		' ' ' ' '
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		200/00/00 transport originion
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
- INLO OIZE		Set
Number of TDs and TTLL ist		·
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		l N / B
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information - Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target		
- BLER Quality value		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		8
- CHOICE DL parameters - TFS		Explicit
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information - RLC Size		Reference to TS34.108 clause 6.10 Parameter
INEO OIZO		Set
 Number of TBs and TTI List Dynamic transport format information 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target		Set
- BLER Quality value		Not Present
Frequency info	A1, A2, A3, A4, A5, A7,	
LIADECN upliet (Nu)	A8	Potoronoo to clauso 5.4 Toot fraguescies if
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies if frequency is different from the current
		frequency otherwise set to Not Present.
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies if
Oraci or downmin (red)		frequency is different from the current
		frequency otherwise set to Not Present.
Frequency info	A6	Not Present
Maximum allowed UL TX power	A1, A2, A3,	33dBm
Maximum allowed UL TX power	A4, A7, A8 A5, A6	Not Present
CHOICE channel requirement	A5, A6 A1, A2, A3,	Uplink DPCH info
3.1310E GHAIIIGI IGYUIIGIIIGIIL	A1, A2, A3, A4, A7, A8	Opinik Di Ori ililo
- Uplink DPCH power control info	, , , , , , ,	
- DPCCH power offset		-6dB-80dB (i.e. ASN.1 IE value of -40)
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number - Number of DPDCH		0 (0 to 16777215)
		Not Present(1) Reference to TS34.108 clause 6.10 Parameter
- spreading factor	1	Reference to 1334, 100 clause 0.10 Parameter

Information Element	Condition	Value/remark
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode	A1, A2, A3,	FDD
	A4, A5, A6,	
- Downlink PDSCH information	A7, A8	Not Present
Downlink information common for all radio links	A1, A2, A3,	Not i lesent
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
Downlink DPCH power control information DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Fixed or Flexible Position		Set Reference to TS34.108 clause 6.10 Parameter
- TFCI existence		Set Reference to TS34.108 clause 6.10 Parameter
- CHOICE SF		Set Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE mode		FDD
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value	A 4 A 7 A 0	Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	A4,A7,A8	
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
 Power offset P_{Pilot-DPDCH} DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
5. 1. 5. 11. 5. 11.		Set Tagatage I and Tagatage
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE mode		FDD Not Brooms
- DPCH compressed mode info - TX Diversity mode		Not Present None
- 1X Diversity mode - SSDT information		None Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present
Downlink information for each radio link list	A1, A2, A3, A4, A7, A8	
- Downlink information for each radio link		500
- Choice mode - Primary CPICH info		FDD
- Primary Scrambling code		Ref. to the Default setting in TS34.108 clause
January 22.2g 5525		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		

Information Element	Condition	Value/remark
- Primary CPICH usage for channel estimation	30	Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
Bi dirinamo dilect		currently stored in SS) mod 38400
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		1
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A5	
- Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"
A2	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Non speech to CELL_DCH from CELL_FACH in CS"
A8	This IE need for "Speech to CELL DCH from CELL FACH in CS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1,A2,A3,	
	A4,A5,A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
- RRC message sequence number		significant bit of the MAC-I. SS provides the value of this IE, from its
- IXIXO message sequence number		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1,A2,A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5,A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A2, A3,	Not Present
Now C DNTI	A4, A5, A6	14040 4040 4040 4040
New C-RNTI New DSCH-RNTI	A5, A6 A1, A2, A3,	'1010 1010 1010 1010' Not Present
INGW DOOFFINITI	A1, A2, A3, A4, A5, A6	INOUT TESETIL
RRC State indicator	A1, A2, A3,	CELL_DCH
Title State maleater	A4	0222_5011
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
	A4,A5,A6	N · B
CN information info		Not Present Not Present
URA identity RAB information to reconfigure list		Not Present
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not
TAB information to reconfigure list		always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		ĺì
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3 Not Brogent
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIIIO - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (TM DTCH)
- RB identity		10
- PDCP info		Not Present
	1	

Information Element	Condition	Value/remark
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	A2	TS25.331 specifies that "Although this IE is not
		always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3 Net Bresset
- PDCP info - PDCP SN info		Not Present
		Not Present Not Present
- RLC info		
- RB mapping info		Not Present Not Present
RB stop/continueRB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- RB identity - PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		10
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		111
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
_		(This IE is needed for 12.2 kbps and 10.2
		kbps)
- RB identity		12
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	A3,A4,A5,	TS25.331 specifies that "Although this IE is not
	A6	always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present

Information Element	Condition	Value/remark
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info - RB stop/continue		Not Present Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		A Not Decorate
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIII0 - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DTCH)
- RB identity		20
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to be affected	A1, A2,	Not Present
	A3,A4,A5,	
UL Transport channel information for all transport	A6 A1, A2,	Not Present
channels	A5,A6	Not i lesent
STATITO S	7.10,7.10	
	10.11	
UL Transport channel information for all transport	A3, A4	
channels - PRACH TFCS		Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		Not i resent
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		
- CHOICE TFCS representation		Complete reconfiguration
 TFCS complete reconfigure information 		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from TS34.108
0770 : (clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Parameter Set Reference to TS34.108 clause 6.10.2.4
- CIFC		Parameter Set
- Power offset information		1 diamotor oot
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
·		9 (higher than 64 kbps)
		(Not Present if the CHOICE Gain Factors is set
		to ComputedGain Factors)
- Gain factor βd		15
		(Not Present if the CHOICE Gain Factors is set
Defence - TEO ID		to ComputedGain Factors)
- Reference TFC ID		0
- CHOICE mode		FDD Not Present
- Power offset P p-m	I	INOL FIESEIIL

Information Element	Condition	Value/remark
Deleted UL TrCH information	A1, A2, A3,	Not Present
All I D C WITTOWN	A4, A5,A6	Nun
Added or Reconfigured UL TrCH information	A1, A2, A5,A6	Not Present
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		Dedicated transport channels
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
-		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
CITO GIEG		Set
 Uplink transport channel type 		DCH
- UL Transport channel identity		1
- TFS - CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
Transmission Time Interval Number of Transport blocks		Not Present Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
Type of charmor boding		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
-		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH)
- Uplink transport channel type		DCH
 - UL Transport channel identity - TFS 		1
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
Number of TPs and TTI List		Set (This IE is repeated for TEI number)
 Number of TBs and TTI List Transmission Time Interval 		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
*		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Peteronee to TS24 409 elevine C 40 Perers to
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
	1	000

Information Element	Condition	Value/remark
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	A1,A2,A3, A4,A5,A6	FDD
- CPCH set ID	, , , ,	Not Present
- Added or Reconfigured TrCH information for DRAC list		Not Present
DL Transport channel information common for all transport channel	A1, A2, A5, A6	Not Present
DL Transport channel information common for all	A3,A4	
transport channel - SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		
- CHOICE TFCI Signalling - TFCI Field 1 Information		Normal
- CHOICE TFCS representation - TFCS complete reconfigure		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from clause
- CTFC information		TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and
- CTFC		reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information Deleted DL TrCH information	A1 A2 A2	Not Present Not Present
Deleted DL 11CH Information	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present
Added or Reconfigured DL TrCH information - Downlink transport channel type	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target - BLER Quality value		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS - CHOICE Transport channel type		Dedicated transport channel
 Dynamic transport format information RLC Size 		Reference to TS34.108 clause 6.10 Parameter
- Number of TBs and TTI List		Set (This IE is repeated for TFI number.)
- Dynamic transport format information		
Transmission Time IntervalNumber of Transport blocks		Not Present Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- DCH quality target		Set
- BLER Quality value		-2.0
Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size	A3	DCH 6 Explicit Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target - BLER Quality value		-2.0
Frequency info	A1,A2,A3,	
- UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info Maximum allowed UL TX power	A4,A5 A6 A1,A2,A3,	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies Not Present 33dBm
·	A4,A5,A6	
CHOICE channel requirement -Uplink DPCH power control info	A1, A2, A3, A4	Uplink DPCH info
- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit		-6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5, A6	Not Present
CHOICE Mode	A1,A2,A3, A4,A5,A6	FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	A1, A2, A3	
- Timing indicator- CFN-targetSFN frame offset		Maintain Not Present

Information Element	Condition	Value/remark
	Condition	Value/Tellial N
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
Fixed or Flevible Decision		
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
		112112
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
 Downlink DPCH info common for all RL 		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
- I IXEG OF FRANDIC FOSITION		Set
TEOL suitatava a a		
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Present Arbitrary set to value 0306688 by
		step of 512
Downlink information per radio link list	A1, A2, A3	
-Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
s. j ss. s. nomig sous		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
		currently stored in SS) mod 38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		11011100011
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
		1 _
- TPC combination index		0 Net December
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH	<u> </u>	Not Present
Downlink information per radio link list	A4	
-Downlink information for each radio link		
- Choice mode		FDD
Onoloo modo	L	

Information Element	Condition	Value/remark
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod 38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5, A6	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH Information for FACH		Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6,	
	A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
 message authentication code 		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
 RRC message sequence number 		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
	A7, A8	l
Activation time	A4, A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6, A7,	'1010 1010 1010 1010'
	A8	
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	
RRC State indicator	A1,A2, A3,	CELL_DCH
	A4	
RRC State indicator	A5, A6, A7,	CELL_FACH
	A8	
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
	A4,A5,A6,	
	A7, A8	
CN information info		Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release	A1,A2, A7,	
	A8	
- RB identity	10.10	10
RB information to release	A2, A8	
- RB identity	10.10	11
RB information to release	A2, A8	40
- RB identity	10 11 15	12
RB information to release	A3, A4, A5,	
DD identify.	A6	20
- RB identity	A4 A0	20
RB information to be affected	A1,A2,	Not Present
	A3,A4,A5,	
Described assessment of the second	A6, A7, A8	Not Descript
Downlink counter synchronisation info	A1,A2,A3,	Not Present
	A4,A5,A6,	
III Tananan tahan 12.6 C. C. C. C.	A7, A8	TEOO as a sufficient 14. fit if
UL Transport channel information for all transport	A1, A2, A3,	TFCS reconfigured to fit the new transport
channels	A4	channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1,A2, A3,	
Doiotog OE 11011 Illionnation	A5,A7, A8	
- Uplink transport channel type	, 10,717, 710	DCH
Opinin nanoport onamio typo	1	
- Transport channel identity Deleted UL TrCH Information	A2, A8	1

Information Element		Value/remark
- Transport channel identity		2
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type		DCH
- Transport channel identity		3
Deleted UL TrCH Information	A4,A6	Not Present
Added or Reconfigured UL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A3, A4	TrCHs(DCH for DCCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		A
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Coding Rate		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CRC size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
DL Transport channel information for all transport channels	A1, A2, A3, A4, A7, A8	TFCS reconfigured to fit the new transport channel configuration.
DL Transport channel information for all transport channels	A5, A6	Not Present
Deleted DL TrCH Information	A1, A2, A3, A5,A7, A8	
- Downlink transport channel type		DCH
- Transport channel identity		6
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type		DCH
- Transport channel identity Deleted DL TrCH Information	A2 A0	7
- Downlink transport channel type	A2, A8	DCH
- Transport channel identity		8
Deleted DL TrCH Information	A4,A6	Not Present
Added or Reconfigured DL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A3, A4	1 TrCHs(DCH for DCCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		l N + B
- BLER Quality value	11.10.10	Not Present
Frequency info	A1,A2,A3, A4,A5,A7, A8	
- UARFCN uplink (Nu)	7.5	Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power		33dBm
Frequency info	A6	Not present

Information Element		Value/remark
CHOICE channel requirement	A5, A6, A7,	Not Present
OHOLOG I I I I	A8	III II I BBOILL (
CHOICE channel requirement	A1,A2,A3, A4	Uplink DPCH info
- Uplink DPCH power control info	A4	
- DPCCH power offset		-6dB -80dB (i.e. ASN.1 IE value of -40)
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
- TPOT existence		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
Trainiber of F Bi bit		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
January Grand Control of the Control		Set
CHOICE Mode	A1,A2,A3,	FDD
	A4,A5,A6,	
	A7, A8	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6,	Not Present
Downlink information common for all radio links	A7, A8	
- Downlink DPCH info common for all RL	A1,A2, A3	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		THOU THOUGHT
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
TECL evictories		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
- 0110102 01		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information - DPC mode		O (gingle)
- DPC mode - CHOICE mode		0 (single) FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
0.1010=05		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
DDCH compressed made info		Set Net Brecent
- DPCH compressed mode info		Not Present
- TX Diversity mode		None

Information Element		Value/remark
- SSDT information		Not Present
- Default DPCH Offset Value Downlink information for each radio link list	A1,A2,A3	Arbitrary set to value 0306688 by step of 512
-Downlink information for each radio link	A1,A2,A0	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- PDSCH with SHO DCH info		6.1 (FDD) Not Present
- PDSCH with SHO DCH into		Not Present
- Downlink DPCH info for each RL		Not Frederic
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
Consendent CDICI Linfo		currently stored in SS) mod 38400
- Secondary CPICH info - Secondary scrambling code		Not Present
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
Os da garante en		Set
- Code number - Scrambling code change		0 No change
- TPC combination index		No change 0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	
-Downlink information for each radio link - Choice mode		FDD
- Primary CPICH info		FDD
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
, o		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
Downlink DPCH info for each RL Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
DL channelisation codeSecondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index - SSDT Cell Identity		0 Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5, A7, A8	
- Choice mode		FDD
- Primary CPICH info - Primary scrambling code		Ref. to the Default setting in TS34.108 clause
1 minary scrambling code		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH	100	Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Non speech to CELL_FACH from CELL_DCH in CS"
A8	This IE need for "Speech to CELL_FACH from CELL_DCH in CS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3 Not Present(Now)
Activation time New U-RNTI	Not Present(Now)
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0001B
New C-RNTI	Not present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
 UE radio access FDD capability update 	TRUE
requirement	
- UE radio access TDD capability update	FALSE
requirement	
- System specific capability update requirement list	Gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity - CHOICE RLC info type	Not present
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1 0 f
- CHOICE RLC size list	Configured
MAC logical channel priority Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	13.0 kbps signalling radio bearer)
- Downlink RLC logical channel info	'
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	AM BLO
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard - SDU discard mode	No discard
- MAX_DAT	No discard 15
	10

Information Element	Value/remark
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Window	99
 Timer_poll_periodic 	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size 	32
 Downlink RLC status info 	
- Timer_status_prohibit	200
- Timer_EPC	Not present
 Missing PDU indicator 	TRUE
 Timer_STATUS_periodic 	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
 MAC logical channel priority 	2
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
 MAC logical channel priority 	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
 DL DCH Transport channel identity 	Not Present
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
 Transmission window size 	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE

Information Element	Value/remark
 Last retransmission PDU poll 	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	32
	000
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
 Timer_STATUS_periodic 	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
,	
- CHOICE RLC size list	Configured
- MAC logical channel priority	ျ
- Downlink RLC logical channel info	1.
- Number of RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
 MAC logical channel priority 	3
 Downlink RLC logical channel info 	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not present
	Not present
- CHOICE RLC info type	
- RLC info	AM DLO
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	l., " .
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
·	

Information Element	Value/remark
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDM:wOntions
 Information for each multiplexing option RLC logical channel mapping indicator 	2 RBMuxOptions Not Present
Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	†
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	.
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	A
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure - CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108
OTT O IIIIOTTIALIOTT	clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio
	bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Power offset information	,
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled
	Gain Factors)
- Gain factor ßc	11 (below 64 kbps)
	9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain Factors)
- Gain factor ßd	15
Deference TEO ID	(Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode - Power offset Pp-m	FDD Not Present
Added or Reconfigured UL TrCH information	Not Fresent
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	Ĭ
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC size	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)

Information Element	Value/remark
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- Transmission Time Interval	According to TS34.108 clause 6.10.2

- Number of Transport blocks

- CHOICE Logical channel list

- Semi-static Transport Format information

- Transmission time interval

- Type of channel coding

- Coding Rate

- Rate matching attribute

- CRC size

DL Transport channel information common for all transport channel

- SCCPCH TFCS

- CHOICE mode

- CHOICE DL parameters

Added or Reconfigured DL TrCH information

- Downlink transport channel type

- DL Transport channel identity

- CHOICE DL parameters

- Uplink transport channel type

- Oplink transport charmer type

- UL TrCH Identity

- DCH quality target

- BLER Quality value

Frequency info

Maximum allowed UL TX power

Uplink DPCH info

- Uplink DPCH power control info

- DPCCH power offset

- PC Preamble

- SRB delay

- Power Control Algorithm

- TPC step size

- Scrambling code type

- Scrambling code number

- Number of DPDCH

- Spreading factor

- TFCI existence

- Number of FBI bit

- Puncturing Limit

Downlink information common for all radio links

- Downlink DPCH info common for all RL

- Timing Indication

- CFN-targetSFN frame offset

- CHOICE mode

- Downlink DPCH power control information

- DPC mode

- Power offset P Pilot-DPDCH

- DL rate matching restriction information

- Spreading factor

- Fixed or Flexible Position

- TFCI existence

- CHOICE SF

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

ΑII

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Not Present

FDD

Same as UL

DCH

10

Same as UL

DCH

5

-2.0

Not Present

Not Present

-6dB-80dB (i.e. ASN.1 IE value of -40)

1 frame

7 frames

Algorithm1

1dB

Long

0 (0 to 16777215)

Not Present(1)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Initialise

Not Present

FDD

0 (single)

0

Not Present

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Information Element	Value/remark		
- DPCH compressed mode info	Not Present		
- TX Diversity mode	None		
- SSDT information	Not Present		
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512		
Downlink information for each radio links list			
- Downlink information for each radio links			
- CHOICE mode	FDD		
- Primary CPICH info			
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"		
- PDSCH with SHO DCH info	Not Present		
- PDSCH code mapping	Not Present		
- Downlink DPCH info for each RL			
 Primary CPICH usage for channel estimation 	Primary CPICH may be used		
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400		
- Secondary CPICH info	Not Present		
- DL channelisation code			
- Secondary scrambling code	1		
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6		
	kbps signalling radio bearer)		
- Code number	0		
- Scrambling code change	Not Present		
- TPC combination index	0		
- SSDT Cell Identity	Not Present		
 Closed loop timing adjustment mode 	Not Present		
- SCCPCH information for FACH	Not Present		

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info - message authentication code		SS calculates the value of MAC-I for this
- message authentication code		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time New U-RNTI	A4, A5, A6	Not Present Not Present
New C-RNTI	A1, A2, A3,	Not Present
Now o rutti	A4	Not i room
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6	
RRC State indicator	A1, A2, A3,	CELL_DCH
BBC State indicator	A4 A5, A6	CELL_FACH
RRC State indicator UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
OTTAN DIXX cycle length coefficient	A4,A5,A6	Not i lesem
CN information info	711,710,710	Not Present
URA identity		Not Present
Downlink counter synchronisation info		Not Present
UL Transport channel information for all transport	A1, A2, A5,	Not Present
channels	A6	
UL Transport channel information for all transport channels	A3, A4	
- PRACH TFCS		Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information - CHOICE CTFC Size		Number of bits used must be enough to cover
- CHOICE CIFC Size		all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
Dower offset information		Parameter Set
Power offset information CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
- OHOIGE Gaill Lactors		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
'		9 (higher than 64 kbps)
		(Not Present if the CHOICE Gain Factors is set
		to ComputedGain Factors)
- Gain factor βd		15
		(Not Present if the CHOICE Gain Factors is set
- Reference TFC ID		to ComputedGain Factors)
- CHOICE mode		FDD
- Power offset P p-m		Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5,	Not Present
1	,,	

Information Element	Condition	Value/remark
	A6	

Information Element	Condition	Value/remark
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
 CHOICE Transport channel type 		Dedicated transport channels
 Dynamic Transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
N		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.) Not Present
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		7 ***
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
CPC size		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- Uplink transport channel type		Set DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
01101051 : 101 - 15 4		Set
- CHOICE Logical Channel list		All
Semi-static Transport Format information Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Type of charmer county		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
Add a Decedence IIII TOUL (40	Set (POLITON PTOLI)
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH)
 Uplink transport channel type UL Transport channel identity 		DCH
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Bodioatoa transport oriannolo
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
01101051		Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information Transmission time interval 		Reference to TS34.108 clause 6.10 Parameter
- Halishiission tille interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
. , , , , , , , , , , , , , , , , , , ,		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
	<u> </u>	Set

Information Element	Condition	Value/remark
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE mode	A1,A2,A3,	FDD
	A4,A5,A6	
- CPCH set ID		Not Present
- Added or Reconfigured TrCH		Not Present
information for DRAC list		
DL Transport channel information common for all	A1, A2,	Not Present
transport channel	A5,A6	
DL Transport channel information common for all	A3,A4	
transport channel		
- SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause
0770 : (TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
00		reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
5 "		Parameter Set
- Power offset information		Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5,	Not Present
	A6	

Added or Reconfigured DL TrCH Information Downlink transport channel sye DL Transport channel dentity DCH Quality target BLER Quality value - CRC size DCH quality target - Rate matching attribute - CRC size DCH quality target - DCH quality target - CCHC Size DCH quality target - CCHC Size - CCHC Size - CCHC Size - CCHC Transport blocks - Rate matching attribute - CRC size - CCHC Size - CCHC Transport channel type - DCH quality target - CCHC Size	Information Element	Condition	Value/remark
Downlink transport channel type OL Transport channel type OL Transport channel type UL TrCH identity OHORE DL parameters Uplink transport channel type OL Transport channel type OL Transport channel type OL Transport channel dentity OHORE DL parameters TFS OHORE Transport channel type Onymain transport format information - Transmission Time Interval - Number of Tss and TTI List OPA and transport of Transport blocks - Semi-static Transport Format information - Transmission time interval - Rate matching attribute - CRC size - Norther Tss and TTI List Oparamic transport format information - Transmission time interval - Rate matching attribute - CRC size - CHORE Transport channel type - Du Transport channel type - Du Transport channel identity - CHORE DL parameters - TFS - CHORE Transport format information - Transmission time interval - Rate matching attribute - CRC size - CHORE Transport channel type - Du Transport channel identity - CHORE DL parameters - TFS - CHORE Transport channel type - Du Transport channel identity - CHORE Transport channel information - Transmission time interval - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHORE Transport channel type - Dynamic transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHORE Transport channel type - Dynamic transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHORE Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHORE Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHORE Transport channel information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHORE Transport format information - Transmission time interv			
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- DCH quality target - BLER Quality value Frequency info - UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info A1,A2,A3, A4,A5 Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies Not Present	- CRC size		
- DCH quality target - BLER Quality value Frequency info A1,A2,A3, A4,A5 - UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info A6 Not Present			
- BLER Quality value -2.0 Frequency info A1,A2,A3, A4,A5 - UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info A6 Not Present	- DCH quality target		
Frequency info A1,A2,A3, A4,A5 - UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info A1,A2,A3, A4,A5 Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies Not Present			-2.0
- UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info A4,A5 Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies Not Present		A1,A2,A3,	
- UARFCN uplink (Nu) - UARFCN downlink (Nd) Frequency info Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies Not Present			
- UARFCN downlink (Nd) Reference to clause 5.1 Test frequencies Frequency info A6 Not Present			Reference to clause 5.1 Test frequencies
Frequency info A6 Not Present			
		A6	
711/12/101 Oddill			

Information Element	Condition	Value/remark
	A4,A5,A6	
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
I latinto DDOLL a cusar a cartral info	A4	
-Uplink DPCH power control info - DPCCH power offset		EdP 20dP (i.e. ASN 1 IE value of 40)
- PC Preamble		-6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
TEOL sedesta no se		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
- Number of FBI bit		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE Mode	A1,A2,A3,	FDD
	A4,A5,A6	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		Maintain
- Timing indicator - CFN-targetSFN frame offset		Maintain Not Present
- Downlink DPCH power control information		Not Flesent
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
TECL evictories		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
OTIGIOE OF		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		Letter to a
- Timing indicator		Initialise
- CFN-targetSFN frame offset - Downlink DPCH power control information		Not Present
- Downlink DPCH power control information - DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
TEOL suistance		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
- CHOICE SF		Set Reference to TS34.108 clause 6.10 Parameter
- GITOIGE SI		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
	·	

Information Element	Condition	Value/remark
Downlink information for each radio link list	A1, A2, A3	
- Downlink information for each radio links	, ,	
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Pof to the Default cotting in TS24 109 clause
- Filliary Scrambling code		Ref. to the Default setting in TS34.108 clause
DDCCII with CHO DCII info		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
		currently stored in SS) mod 38400
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading ractor		
On de mumb en		Set
- Code number	1	0 No about
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	
- Downlink information for each radio links	, , ,	
- CHOICE mode		FDD
- Primary CPICH info		
		Def to the Default actting in TC24 400 alouge
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
DDOOLL W OUG DOLL: (6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value: Default DPCH Offset Value mod
		38400
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code		- Not i room
- Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading ractor		
		Set
- Code number	1	0
- Scrambling code change	1	No change
- TPC combination index		0
- SSDT Cell Identity	1	Not Present
- Closed loop timing adjustment mode	1	Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5	
- Choice mode	1	FDD
- Primary CPICH info	1	
		Ref. to the Default cotting in TS24 109 clauses
- Primary scrambling code	1	Ref. to the Default setting in TS34.108 clause
PROOFF SHO DOLL: (6.1 (FDD)
- PDSCH with SHO DCH info	1	Not Present
- PDSCH code mapping	1	Not Present
- Downlink DPCH info for each RL	1	Not present
- SCCPCH information for FACH	<u> </u>	Not Present
- Downlink information for each radio link	A6	Not Present
= 577 mm morniadori for odori fadio illin	1 , 10	

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

<< End of Modified Section >>

9.1.2 Default RRC Message Contents (TDD)

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<< Start of Modified Section >>

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)

Information Element	Value/remark
Message Type	1 3 3 3 7 3 11 3 1 1
RRC transaction identifier	0
Integrity check info	
- message authentication code	SS calculates the value of MAC-I for this message and
· ·	writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If ciphering is indicated to be active, this
	IE present with the values of the sub IEs as stated below.
	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
 Ciphering activation time for DPCH 	(256+CFN-(CFN MOD 8 + 8))MOD 256
 Radio bearer downlink ciphering activation time 	Not Present
info	
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
	The first/ leftmost bit of the bit string contains the most
ON damento identita	significant bit of the RAB identity.
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	10
- RB identity - PDCP info	1
- CHOICE RLC info type	Not Present RLC info
- CHOICE REC IIII0 type - CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	171202
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	DCH

Information Flament	Valuo/romork
Information Element - DL DCH Transport channel identity	Value/remark
- DL DSCH Transport channel identity - DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	11 _
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard	TM RLC Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	N (D
 RLC logical channel mapping indicator Number of uplink RLC logical channels 	Not Present
- Uplink transport channel type	DCH
- UL Transport channel identity	2
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	4
 Number of downlink RLC logical channels Downlink transport channel type 	1 DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard	TM RLC Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Not Droppet
 RLC logical channel mapping indicator Number of uplink RLC logical channels 	Not Present
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info - Number of downlink RLC logical channels	1
Downlink transport channel type	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info UL Transport channel information for all transport	Not Present
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	(TI. III.
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling - TFCI Field 1 information	Normal
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
0.750 1.4	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present

Information Element	Value/remark
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
- Added or Reconfigured UL TrCH information	BOLL
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	De dieste ditrementation and a
- CHOICE Transport channel type	Dedicated transport channels
Dynamic Transport format information RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List - Transmission Time Interval	(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type	DCH
- UL Transport channel identity	2
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
 Uplink transport channel type 	DCH
 UL Transport channel identity 	3
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	B (
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
- CHOICE Logical Channel list	All
Semi-static Transport Format information Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval - Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Type of charmer coding - Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	TDD (no data)
DL Transport channel information common for all	(110 data)
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- CHOICE DL parameters	Same as UL
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
	<u> </u>

Information Florent	Valuation only
Information Element	Value/remark
- DL Transport channel identity - CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	1
- DCH quality target	'
- BLER Quality value	-6.3
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL DCH
- Uplink transport channel type - UL TrCH identity	3
- DCH quality target	3
- BLER Quality value	Not Present
Frequency info	1.5
- UARFCN Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset CHOICE Mode	-6dBTDD (no data)
	1 frame
	7 frames
- Power Control Algorithm	Algorithm1
——————————————————————————————————————	1dB
Downlink information common for all radio links	TDD (no data)
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	TVOCT TOOGING
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1 PCCPCH timeslot
- Timeslot	0
- Cell parameters ID - SCTD indicator	0
- SCTD indicator - Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	B (
- 2 _{nd} interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period - Repetition length	Empty
- Downlink DPCH timeslots and codes	Linpty
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has
	unassigned codes.
- TFCI existence	TRUE
 Midamble shift and burst type 	
-CHOICE Burst Type	

Information Element	Value/remark
-Type 1	
-Midamble Allocation Mode	Default
 Midamble configuration burst 	As defined in 3GPP TS 25.221
type 1 and 3	
 First timeslot channelisation codes 	
 First channelisation code 	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
 Last channelisation code 	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

<< End of Modified Section >>

3GPP TSG- T1 Meeting #21 Budapest, 3rd – 7th November 2003

			С	HAN	IGE	REG	UE	ST	•				CR-Form-v7
*	34	.108	CR 2	279		⊭rev	1	¥	Current	t versi	on:	4.8.0	H
For <u>HELP</u> on us	sing	this for	rm, see	bottom (of this	page o	look	at th	е рор-ир	text o	over	the	mbols.
Proposed change a	ffec	<i>ts:</i> (UICC ap	ops#]	ME)	<mark>(</mark> Rad	A oib	ccess Ne	etwork	(Core Ne	etwork
Title:	Mod	ificatio	n to def	ault DP0	CCH_	Power_	offset	valu	e (Revisi	ion of	T1-0	31483)	
Source: #	Ani	te Tele	ecoms										
Work item code: ₩	TE	l							Dat	te: ೫	04/1	11/03	
Category: 第	Α								Releas	e: ૠ	REL	4	
Reason for change		-6dB. +54dE mediu transr Modify value is mad PHYS RADIO RADIO RADIO RRCO	This varies of the country of the DF of the country	CCH_pequivalent of the tenth of	power_ent to ng def	offset to a DFCC fault me	CCH CPICH aximu 0 –800 CH_ini ssage URATION	_Initi I_RS Jm poddB (N tial_pes for	al_Powe iCP of —6 ower leven N.B. This power va is signallin	er of ((- 60dBm el at w transi alue of ng (RR	-6) – n for a which	to an ASdBm. Thi	e. s can
Consequences if not approved:	*		PCCH i		wer e	xpected	of the	e UE	would be	e grea	ater th	nan that p	permitted
Clauses affected:	¥	9.1.1											
Other specs Affected:	¥	Y N X X X	Test s	core spe pecificat Specifica	tions	tions	¥						
Other comments:	\mathbb{H}	Affec	cts Rel-4	test ca	ses.								

How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

> **CR** page 1

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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

CR page 2

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

.

<< Start of Modified Section >>

Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
 message authentication code 		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A2, A3,	Not Present
AL OBAIT	A4	14040 4040 4040 4040
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	Not Present
DDO O() : I' /	A4, A5, A6	OFIL BOLL
RRC State indicator	A1, A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
	A4, A5, A6	
CN information info		Not Present
URA identity		Not Present
Downlink counter synchronisation info		Not Present
Frequency info	A1, A2, A3,	
	A4, A5	
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Frequency info	A6	Not Present
Maximum allowed UL TX power		33dBm
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3, A4	Uplink DPCH info
- Uplink DPCH power control info		
- DPCCH power offset		-6dB-80dB (i.e. ASN.1 IE value of -40)
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set

Information Element	Condition	Value/remark
- TFCI existence	Condition	Reference to TS34.108 clause 6.10
- IFCI existence		
North an of EDI bit		Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10
B		Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10
		Parameter Set
CHOICE Mode	A1, A2, A3,	FDD
	A4, A5, A6	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3	
 Downlink DPCH info common for all RL 		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
- Spreading factor		
E. 1 E. 31 B. 31		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10
		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL	711	
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
		Not Flesent
- Downlink DPCH power control information - DPC mode		O (cingle)
		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10
		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of
Dolault Di Oi i Oilset value		512
Downlink information common for all radio links	Λ 5 Λ 6	Not Present
Downlink information common for all radio links	A5, A6	NOT LIESCH
Downlink information for each radio links	A1, A2,A3	FDD
- Choice mode		FDD
- Primary CPICH info		5 5 .
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- CHOICE mode		FDD
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value (as
		currently stored in SS) mod 38400
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- Occordary of Torrillio		INOLI IGOGIIL

Information Element	Condition	Value/remark
- DL channelisation code		
- Secondary scrambling code		5
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio links	A4	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
3		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- CHOICE mode		FDD
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value
Di cirinanio chicat		mod 38400
- Power offset Peilot-DPDCH		0
- Secondary CPICH info		Not Present
- DL channelisation code		140t i iosofit
- Secondary scrambling code		5
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Code number		0
- Scrambling code change		-
- TPC combination index		No change
- SSDT Cell Identity		Not Present
		Not Present
Closed loop timing adjustment mode SCCPCH information for FACH		Not Present
	A.F.	Not Present
- Downlink information for each radio link	A5	500
- Choice mode		FDD
- Primary CPICH info		D () D ()
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
PROOFF SE ONO POLICE		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6,	
	A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		, c
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5, A6,	Not Present
/ totalon line	A7, A8	THE THEODIN
New U-RNTI	A1, A2, A3,	Not Present
Them & Tarri	A4, A5, A6,	THE THEODIN
	A7, A8	
New C-RNTI	A1, A2, A3,	Not Present
New O-MMT	A4, A7, A8	Not i lesent
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	
New DSCH-RNTI		Not Present
	A4, A5, A6,	
DDO O(/ ; F /	A7, A8	OFIL BOIL
RRC State indicator	A1, A2, A3,	CELL_DCH
	A4, A7, A8	0=11 =1011
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup	A1, A7	
- RAB info		
- RAB identity		0000 0001B
		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT314
- RB information to setup		
- RB identity	1	10
- PDCP info	1	Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
 Information for each multiplexing option 		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity	1	1
- Logical channel identity	1	Not Present
- CHOICE RLC size list	1	Configured
- MAC logical channel priority	1	7
- Downlink RLC logical channel info	1	
- Number of downlink RLC logical channels	1	1
	1	

Information Element	Condition	Value/remark
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
RAB information for setup	A2, A8	
- RAB info	, -	
- RAB identity		0000 0001B
·		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		CS domain
 NAS Synchronization Indicator 		Not Present
- Re-establishment timer		useT314
- RB information to setup		
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
Segmentation indicationCHOICE Downlink RLC mode		FALSE TM RLC
- Segmentation indication		FALSE
- RB mapping info		TALSE
- Information for each multiplexing option		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		6
- Downlink RLC logical channel info		
 Number of downlink RLC logical channels 		1
 Downlink transport channel type 		DCH
 DL DCH Transport channel identity 		6
 DL DSCH Transport channel identity 		Not Present
- Logical channel identity		Not Present
- RB identity		11
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC Not Present
 Transmission RLC discard Segmentation indication 		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		TALOL
- Information for each multiplexing option		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		2
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
 MAC logical channel priority 		6
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		7
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RB identity		12 Not Present
- PDCP info		Not Present RLC info
- CHOICE RLC info type - CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
ogmonation malodition	1	

Information Element	Condition	Value/remark
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator		Not Present
 Number of uplink RLC logical channels 		1
- Uplink transport channel type		DCH
- UL Transport channel identity		3
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		6
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		8 Not Dragget
- DL DSCH Transport channel identity		Not Present
- Logical channel identity RAB information for setup	A3, A4, A5,	Not Present
INAD IIIIOIIIIalioii ioi Selup	A3, A4, A5, A6	
- RAB info		(AM DTCH for PS domain)
- RAB identity		0000 0101B
		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		PS domain ,
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT315
- RB information to setup		
- RB identity		20
- PDCP info		
- Support for lossless SRNS relocation		FALSE
- Max PDCP SN window size		Not present
- PDCP PDU header		Absent
- Header compression information		Not present
- CHOICE RLC info type - CHOICE Uplink RLC mode		RLC info AM RLC
- CHOICE OPIINK RLC mode - Transmission RLC discard		AIVI ALC
- CHOICE SDU discard mode		No Discard
- MAX_DAT		15
- Transmission window size		128
- Timer_RST		500
- Max_RST		4
- Polling info		
- Timer_poll_prohibit		200
- Timer_poll		200
- Poll_PDU		Not Present
- Poll_SDU		1
 Last transmission PDU poll 		TRUE
- Last retransmission PDU poll		TRUE
- Poll_Windows		99
- Timer_poll_periodic		Not Present
- CHOICE Downlink RLC mode		AM RLC
- In-sequence delivery		TRUE
- Receiving window size		128
- Downlink RLC status info		200
- Timer_status_prohibit		200 Not Propert
- Timer_EPC		Not Present TRUE
- Missing PDU indicator- Timer_STATUS_periodic		Not Present
- RB mapping info		INOT LIESCH
- Information for each multiplexing option		2 RBMuxOptions
- RLC logical channel mapping indicator		Not Present
Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1

Information Element	Condition	Value/remark
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RLC logical channel mapping indicator		Not Present
 Number of uplink RLC logical channels 		1
 Uplink transport channel type 		RACH
 UL Transport channel identity 		Not Present
 Logical channel identity 		7
- CHOICE RLC size list		Explicit list
- RLC size index		Reference to TS34.108 clause 6 Parameter
		Set
- MAC logical channel priority		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		FACH
- DL DCH Transport channel identity		Not Present
- DL DSCH Transport channel identity		Not Present
- Logical channel identity	A4 A0 A0	7
RB information to be affected	A1, A2, A3,	Not Present
	A4, A5, A6,	
Develiels accepted a section info	A7, A8	Not Present
Downlink counter synchronisation info	A1, A2, A3,	Not Present
	A4, A5, A6,	
UL Transport channel information for all transport	A7, A8 A1, A2, A3,	
channels	A1, A2, A3, A4, A5, A6,	
Channels		
- PRACH TFCS	A7, A8	Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		Not Flesent
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		Noma
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information		Complete recomingulation
- CHOICE CTFC Size		Number of bits used must be enough to cover
GHOIGE GH G GIZE		all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
		9 (higher than 64 kbps) (Not Present if the
		CHOICE Gain Factors is set to Computed
		Gain Factors)
- Gain factor βd		15
		(Not Present if the CHOICE Gain Factors is set
		to Computed Gain Factors)
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P p-m		Not Present
Deleted UL TrCH information	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	4 8 9 4 4 4 5 9 4 5
Added or Reconfigured UL TrCH information	A1, A3 A4,	1 DCH added, 1 DCH reconfigured
Halfala tananan ()	A5, A6, A7	BOLL
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		Dedicated transport sharps als
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information	j	

Information Element	Condition	Value/remark
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
Number of TDs and TTIList		Set
- Number of TBs and TTI List - Transmission Time Interval		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
·		Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information Transmission time interval 		Reference to TS34.108 clause 6.10 Parameter
- Hansinission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
-		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- Uplink transport channel type		Set DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
Dynamic Transport format information RLC Size		Reference to TS34.108 clause 6.10 Parameter
TCO 0120		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
Type of chairmer doding		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- Nate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
A 11 1 B C 1111 T O11: (C	10.10	Set
Added or Reconfigured UL TrCH information	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		Dedicated transport sharpeds
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List - Transmission Time Interval		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
·		Set
- CHOICE Logical Channel list		All
Semi-static Transport Format information Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Coding Data		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
-		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- Uplink transport channel type		Set DCH
- орши папърон опашне цуре	1	

Information Element	Condition	Value/remark
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Deference to TOOA 400 elever 0.40 B
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.) Not Present
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
 CHOICE Logical Channel list 		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
		Set
- Uplink transport channel type		DCH
- UL Transport channel identity		2
- TFS		Dedicated transport abannals
- CHOICE Transport channel type		Dedicated transport channels
 Dynamic Transport format information RLC Size 		Reference to TS34.108 clause 6.10 Parameter
- NEO OIZE		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information 		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
I Inlink transport at an all time		Set
- Uplink transport channel type		DCH 3
 UL Transport channel identity TFS 		S
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		255,0000 transport originion
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
- Number of TBs and TTI List		Set (This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
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Information Element	Condition	Value/remark
		Set
CHOICE mode	A1, A2, A3,	FDD
	A4, A5, A6, A7, A8	
- CPCH set ID	Α1, Α0	Not Present
- Added or Reconfigured TrCH		Not Present
information for DRAC list		
DL Transport channel information common for all	A1, A2, A7,	
transport channel - SCCPCH TFCS	A8	Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		SameasUL
DL Transport channel information common for all	A3, A4, A5,	
transport channel	A6	
- SCCPCH TFCS		Not Present
- CHOICE mode - CHOICE DL parameters		FDD Explicit
- DL DCH TFCS		Explicit
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure - CHOICE CTFC Size		Number of bits used must be enough to cover
- CHOICE CIPC Size		all combinations of CTFC from clause
		TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
Devices offerst information		Parameter Set
- Power offset information Deleted DL TrCH information	A1, A2, A3,	Not Present Not Present
Deleted DE HOTTIMOTHATION	A4, A5, A6,	Not i lesent
	A7, A8	
Added or Reconfigured DL TrCH information	A1	1 DCH added, 1 DCH reconfigured
- Downlink transport channel type		DCH
DL Transport channel identity CHOICE DL parameters		6 Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		1
- DCH quality target		
- BLER Quality value		-2.0
- Downlink transport channel type		DCH
DL Transport channel identity CHOICE DL parameters		10 Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value	AO A4 A =	-2.0
Added or Reconfigured DL TrCH information	A3, A4, A5,	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type	A6, A7	DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		20
BLER Quality value Downlink transport channel type		-2.0 DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		Peteronee to TS24 400 clause C 40 December
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
	1	

- Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - CHOICE DL parameters - BLER Quality value - Downlink transport channel type - DL Transport channel litye - DL Transport channel identity - CHOICE DL parameters - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Transport channel identity - Transport channel ident	
- Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel typ	
- Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uli TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrcH information - Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport format information - Transmission Time Interval - Number of Transport Dlocks - CHOICE Logical Channel list - Semi-static Transport format information - Transmission Time Interval - Set - All I Reference to TS34.108 clause 6.10 Paramet Set - Reference to TS34.108 clause 6.10 Paramet Set - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - DCH - 10 DCH - 11 DCH - 12 DCH - 13 DCH - 14 DCH - 2.0 - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - DCH - 10	
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - DL Transport channel type - UL TrCH identity - CHOICE DL parameters - Uplink transport channel identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	ter
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - DL Transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission Time Interval - Semi-static Transport Format information - Transmission Time Interval - Reference to TS34.108 clause 6.10 Paramet Set - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH - 10 - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 2.0 - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) - 2.0 - 4 TrCHs(DCH fo	
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel type - Dynamic transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - DL Transport channel type - DL Transport channel type - Dynamic transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality value - Dunink transport channel type - UL TrCH identity - DCH quality rarget - BLER Quality value - Downlink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	ter
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality value - Downlink transport channel type - DL Transport channel type - Dynamic transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	toi
- Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - Downlink transport channel type - DL Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	tor
- Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - UL TrCH identity - DCH quality value - Downlink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrCH identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - CHOICE Transport channel type - DL Transport channel identity - CHOICE Transport channel type - Dynamic transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	toi
- Rate matching attribute - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	tor
Reference to TS34.108 clause 6.10 Parameters Set - CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel type - DL Transport channel type - UL TrCH identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	il Ci
- CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality value - Downlink transport channel type - DL Transport channel type - DL Transport channel identity - DCH quality value - Downlink transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	tor
- CRC size - DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	lei
- DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	tor
- DCH quality target - BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	, lei
- BLER Quality value Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
DTCH) - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
- Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	
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- CRC size Reference to TS34.108 clause 6.10 Paramet	eter
Set	
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- BLER Quality value Not Present	
- Downlink transport channel type DCH	
- DL Transport channel identity 7	
- CHOICE DL parameters Explicit	
- TFS	
- CHOICE Transport channel type Dedicated transport channel	
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- UARFCN uplink (Nu) - UARFCN downlink (Nd) - UARFCN	Frequency info		
- UARFCN uplink (Nu) - UARFCN downlink (Nd) - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - UARFCN uplink DPCH power to Not Present. Reference to clause 5.1 Test frequencies if frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency otherwise set to Not Present. Not Present A1, A2, A3, 33dBm A4, A7, A8 - Uplink DPCH info - 6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 - TPC step size - Scrambling code type			
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frequency is different from the current frequency otherwise set to Not Present. A6 Not Present A1, A2, A3, 33dBm Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type frequency is different from the current frequency otherwise set to Not Present A1, A2, A3, A4, A7, A8 Not Present Uplink DPCH info -6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Long	- LIARECN downlink (Nd)		
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CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type A1, A2, A3, A4, A7, A8 - Uplink DPCH info - 6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Long	·		
- Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type A4, A7, A8 -6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Long		A5, A6	
- Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Uplink DPCH power control info - 6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Long	CHOICE channel requirement		Uplink DPCH info
- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - GBB-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Long		A4, A7, A8	
- PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type 1 frame 7 frames Algorithm1 1dB Long			0.10.00.10.(1
- SRB delay - Power Control Algorithm - TPC step size - Scrambling code type 7 frames Algorithm1 1dB Long			
- Power Control Algorithm - TPC step size - Scrambling code type Algorithm1 1dB Long			
- TPC step size - Scrambling code type 1dB Long			
- Scrambling code type Long			
- Scrambling code number 0 (0 to 16777215)			
- Number of DPDCH Not Present(1)			
- spreading factor Reference to TS34.108 clause 6.10 Parameter			
Set			

Information Flowant	Condition	Valualramark
Information Element	Condition	Value/remark
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
Number of EDI bit		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
Dun aturin a Limit		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
0110105	45.40	Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode	A1, A2, A3,	FDD
	A4, A5, A6,	
- " · · · · · · · · · · · · · ·	A7, A8	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3,	
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pillot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE mode		FDD
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4,A7,A8	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE mode		FDD
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present
Downlink information for each radio link list	A1, A2, A3,	1.01.1.000iik
25 million in the contraction in the list	A4, A7, A8	
- Downlink information for each radio link	, , , , , , , , , , , , , , , , , , , ,	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Pof. to the Default setting in TS24 109 clause
- i illiary scialibility code		Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
		Not Present Not Present
- PDSCH code mapping - Downlink DPCH info for each RL		INOUT FIESEIIL
		Primary CPICH may be used
 Primary CPICH usage for channel estimation 		LE DOMAIN LEIL OF MAN DE USEM

Information Element	Condition	Value/remark
- DPCH frame offset		Set to value Default DPCH Offset Value (as
		currently stored in SS) mod 38400
- Secondary CPICH info		Not Present
- DL channelisation code		
 Secondary scrambling code 		1
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A5	
- Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"
A2	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Non speech to CELL_DCH from CELL_FACH in CS"
A8	This IE need for "Speech to CELL_DCH from CELL_FACH in CS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1,A2,A3,	
	A4,A5,A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
- RRC message sequence number		significant bit of the MAC-I. SS provides the value of this IE, from its
- IXIXO message sequence number		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1,A2,A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5,A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A2, A3,	Not Present
Now C DNTI	A4, A5, A6	14040 4040 4040 4040
New C-RNTI New DSCH-RNTI	A5, A6 A1, A2, A3,	'1010 1010 1010 1010' Not Present
INGW DOOFFINITI	A1, A2, A3, A4, A5, A6	INOUT TESETIL
RRC State indicator	A1, A2, A3,	CELL_DCH
Title State maleater	A4	0222_5011
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
	A4,A5,A6	N · B
CN information info		Not Present Not Present
URA identity RAB information to reconfigure list		Not Present
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not
TAB information to reconfigure list		always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		ĺì
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3 Not Brogent
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIIIO - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (TM DTCH)
- RB identity		10
- PDCP info		Not Present
	1	

Information Element	Condition	Value/remark
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	A2	TS25.331 specifies that "Although this IE is not
Ĭ		always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		10
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (TM DTCH)
		11
- RB identity - PDCP info		Not Present
- PDCP IIII0 - PDCP SN info		Not Present
- PDCP SN IIIIO - RLC info		Not Present
- REC IIIIO - RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
The information to recorning are		(This IE is needed for 12.2 kbps and 10.2
		kbps)
- RB identity		12
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	A3,A4,A5,	TS25.331 specifies that "Although this IE is not
	A6	always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		ĺ
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info	1	Not Present

Information Element	Condition	Value/remark
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present Not Present
- RB stop/continue - RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (AM DTCH)
- RB identity		(AM DTCH)
- RB identity - PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to be affected	A1, A2,	Not Present
	A3,A4,A5,	
	A6	
UL Transport channel information for all transport	A1, A2,	Not Present
channels	A5,A6	
UL Transport channel information for all transport	A3, A4	
channels		
- PRACH TFCS		Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		Name
- CHOICE TFCI signalling - TFCI Field 1 information		Normal
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information		Complete reconliguration
- CHOICE CTFC Size		Number of bits used must be enough to cover
3.13.32 311 3 3120		all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors (The last TFC is set to
Coin factor 0a		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
		9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set
		to ComputedGain Factors)
- Gain factor βd		15
Cain factor pa		(Not Present if the CHOICE Gain Factors is set
		to ComputedGain Factors)
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P p-m		Not Present
	1	

Information Element	Condition	Value/remark
Deleted UL TrCH information	A1, A2, A3,	Not Present
	A4, A5,A6	
Added or Reconfigured UL TrCH information	A1, A2, A5,A6	Not Present
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
 Uplink transport channel type 		DCH
- UL Transport channel identity		5
- TFS		Dedicated transport channels
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
- Number of TBs and TTI List		Set (This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		7 111
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type		DCH
 UL Transport channel identity 		1
- TFS		
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
November of TDs and TTI List		Set
- Number of TBs and TTI List - Transmission Time Interval		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
Trained or traineport areaste		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		D (T00//00 /
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH)
 Uplink transport channel type 		DCH
- UL Transport channel identity		1
- TFS		Dedicated transport showneds
 CHOICE Transport channel type Dynamic Transport format information 		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
Number of TD d TTILL:-/		Set
 Number of TBs and TTI List Transmission Time Interval 		(This IE is repeated for TFI number.) Not Present
Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
. Tallias S. Hallopolt blooks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		B (
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
	•	

Information Element	Condition	Value/remark
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	A1,A2,A3, A4,A5,A6	FDD
- CPCH set ID	, , , , , , , ,	Not Present
 Added or Reconfigured TrCH information for DRAC list 		Not Present
DL Transport channel information common for all transport channel	A1, A2, A5, A6	Not Present
DL Transport channel information common for all	A3,A4	
transport channel - SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		
- CHOICE TFCI Signalling - TFCI Field 1 Information		Normal
- CHOICE TFCS representation - TFCS complete reconfigure		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
- Power offset information		Parameter Set Not Present
Deleted DL TrCH information	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present
Added or Reconfigured DL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type		DCH 10
DL Transport channel identity CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		Not Present
 Downlink transport channel type 		DCH
- DL Transport channel identity		6
- CHOICE DL parameters - TFS		Explicit
- CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channel
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List Dynamic transport format information		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set

	Information Element	Condition	Value/remark
-	- CRC size	Condition	Reference to TS34.108 clause 6.10 Parameter
	- CRC Size		Set
	- DCH quality target		Set
	- BLER Quality value		-2.0
-	Added or Reconfigured DL TrCH information	A3	2.0
	- Downlink transport channel type	710	DCH
	- DL Transport channel identity		6
	- CHOICE DL parameters		Explicit
	- TFS		ZAPIIOR
	- CHOICE Transport channel type		Dedicated transport channel
	- Dynamic transport format information		
	- RLC Size		Reference to TS34.108 clause 6.10 Parameter
	1.20 0.20		Set
	- Number of TBs and TTI List		(This IE is repeated for TFI number.)
	- Dynamic transport format information		,
	- Transmission Time Interval		Not Present
	- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
	•		Set
	- Semi-static Transport Format information		
	- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
			Set
	- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
	71		Set
	- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
	g v am g v am g		Set
	- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
	· · · · · · · · · · · · · · · · · · ·		Set
	- CRC size		Reference to TS34.108 clause 6.10 Parameter
	0.00 0.00		Set
	- DCH quality target		
	- BLER Quality value		-2.0
	Frequency info	A1,A2,A3,	
	. roquono, mio	A4,A5	
	- UARFCN uplink (Nu)	111,110	Reference to clause 5.1 Test frequencies
	- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
	Frequency info	A6	Not Present
	Maximum allowed UL TX power	A1,A2,A3,	33dBm
	•	A4,A5,A6	
	CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
	·	A4	·
	-Uplink DPCH power control info		
- d	-Uplink DPCH power control info		
II	·		-6dB-80dB (i.e. ASN.1 IE value of -40)
	-Uplink DPCH power control into - DPCCH power offset - PC Preamble		-6dB-80dB (i.e. ASN.1 IE value of -40) 1 frame
	- DPCCH power offset		
	- DPCCH power offset - PC Preamble - SRB delay		1 frame 7 frames
	- DPCCH power offset- PC Preamble- SRB delay- Power Control Algorithm		1 frame
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size		1 frame 7 frames Algorithm1 1dB
	 - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type 		1 frame 7 frames Algorithm1 1dB Long
	 DPCCH power offset PC Preamble SRB delay Power Control Algorithm TPC step size Scrambling code type Scrambling code number 		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215)
	 DPCCH power offset PC Preamble SRB delay Power Control Algorithm TPC step size Scrambling code type Scrambling code number Number of DPDCH 		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1)
	 DPCCH power offset PC Preamble SRB delay Power Control Algorithm TPC step size Scrambling code type Scrambling code number 		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter
	 DPCCH power offset PC Preamble SRB delay Power Control Algorithm TPC step size Scrambling code type Scrambling code number Number of DPDCH 		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit	A5, A6	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit	A5, A6 A1,A2,A3.	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Rot Parameter Set Not Present
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit	A1,A2,A3,	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement CHOICE Mode		1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Not Present FDD
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement CHOICE Mode - Downlink PDSCH information	A1,A2,A3, A4,A5,A6	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Not Present FDD Not Present
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement CHOICE Mode - Downlink PDSCH information Downlink information common for all radio links	A1,A2,A3, A4,A5,A6 A5, A6	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Not Present FDD
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement CHOICE Mode - Downlink PDSCH information Downlink information common for all radio links Downlink information common for all radio links	A1,A2,A3, A4,A5,A6	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Not Present FDD Not Present
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement CHOICE Mode - Downlink PDSCH information Downlink information common for all radio links - Downlink DPCH info common for all RL	A1,A2,A3, A4,A5,A6 A5, A6	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Rot Present FDD Not Present Not Present
	- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement CHOICE Mode - Downlink PDSCH information Downlink information common for all radio links Downlink information common for all radio links	A1,A2,A3, A4,A5,A6 A5, A6	1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Not Present FDD Not Present

Information Element	Condition	Value/remark
	Condition	v alue/l elliai K
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value	A 4	Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		
F: 1 F: 31 F 32		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		
- Default DPCH Offset Value		Present Arbitrary set to value 0306688 by step of 512
Downlink information per radio link list	A1, A2, A3	Step of 512
	A1, A2, A3	
-Downlink information for each radio link		500
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
- Di Gir ilaine onset		
Sacandary CDICH info		currently stored in SS) mod 38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
		Not Present
- Closed loop timing adjustment mode		
- SCCPCH information for FACH	1	Not Present
Downlink information per radio link list	A4	
-Downlink information for each radio link		
- Choice mode		FDD
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·

Information Element	Condition	Value/remark
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation	
A1	This IE need for "Non speech in CS"	
A2	This IE need for "Speech in CS"	
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"	

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6,	
550	A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info - message authentication code		SS calculates the value of MAC-I for this
- message authentication code		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info Activation time	A1, A2, A3,	Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A7, A8	(230+CFN-(CFN WOD 8 + 8))WOD 230
Activation time	A4, A5, A6	Not Present
New U-RNTI	, -, -	Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6, A7,	'1010 1010 1010 1010'
	A8	
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6,	
RRC State indicator	A7, A8 A1,A2, A3,	CELL DCH
RRC State indicator	A1,A2, A3,	CELL_DON
RRC State indicator	A5, A6, A7,	CELL_FACH
	A8	
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
	A4,A5,A6,	
CN information info	A7, A8	Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release	A1,A2, A7,	
	A8	
- RB identity	10.10	10
RB information to release - RB identity	A2, A8	11
RB information to release	A2, A8	11
- RB identity	712,710	12
RB information to release	A3, A4, A5,	
	A6	
- RB identity	A4 A0	20
RB information to be affected	A1,A2, A3,A4,A5,	Not Present
	A6, A7, A8	
Downlink counter synchronisation info	A1,A2,A3,	Not Present
·	A4,A5,A6,	
	A7, A8	
UL Transport channel information for all transport channels	A1, A2, A3, A4	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport	A5, A6	Not Present
channels	7.0, 7.0	110.11100011
Deleted UL TrCH Information	A1,A2, A3,	
	A5, A7, A8	2011
- Uplink transport channel type		DCH 1
- Transport channel identity Deleted UL TrCH Information	A2, A8	1
- Uplink transport channel type	7.2,7.0	DCH
i i se stanta e mara Ata	1	i

Information Element		Value/remark
- Transport channel identity		2
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type	r	DCH
- Transport channel identity		3
Deleted UL TrCH Information	A4, A6	Not Present
Added or Reconfigured UL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A3, A4	TrCHs(DCH for DCCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3
		(standalone 13.6 kbps signalling radio bearer)
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3
		(standalone 13.6 kbps signalling radio bearer)
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3
		(standalone 13.6 kbps signalling radio bearer)
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3
T ()		(standalone 13.6 kbps signalling radio bearer)
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3
0 1 0 1		(standalone 13.6 kbps signalling radio bearer)
- Coding Rate		According to TS34.108 clause 6.10.2.4.1.3
Data matakia mataikuta		(standalone 13.6 kbps signalling radio bearer)
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3
- CRC size		(standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3
- CRC Size		
DL Transport channel information for all transport	A1, A2, A3,	(standalone 13.6 kbps signalling radio bearer) TFCS reconfigured to fit the new transport
channels	A4, A7, A8	channel configuration.
DL Transport channel information for all transport	A5, A6	Not Present
channels	7.0, 7.0	THE THOUSING
Deleted DL TrCH Information	A1, A2, A3,	
	A5,A7, A8	
- Downlink transport channel type		DCH
- Transport channel identity		6
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type		DCH
- Transport channel identity		7
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type		DCH
- Transport channel identity		8
Deleted DL TrCH Information	A4, A6	Not Present
Added or Reconfigured DL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A3, A4	1 TrCHs(DCH for DCCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		Not Present
Frequency info	A1,A2,A3, A4,A5, A7, A8	
- UARFCN uplink (Nu)	70	Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power		33dBm
Frequency info	A6	Not Present
1 roquority iiiio	110	HOLFICOUR

Information Element		Value/remark
CHOICE channel requirement	A5, A6, A7,	Not Present
·	A8	
CHOICE channel requirement	A1,A2,A3, A4	Uplink DPCH info
- Uplink DPCH power control info		
- DPCCH power offset		-6dB-80dB (i.e. ASN.1 IE value of -40)
- PC Preamble		1 frame
- SRB delay - Power Control Algorithm		7 frames Algorithm1
- Power Control Algorithm - TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	A1,A2,A3, A4,A5,A6, A7, A8	FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6, A7, A8	Not Present
Downlink information common for all radio links	A1,A2, A3	
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
Downlink DPCH power control information DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Fixed or Flexible Position		Set Reference to TS34.108 clause 6.10 Parameter
- TFCI existence		Set Reference to TS34.108 clause 6.10 Parameter
- CHOICE SF		Set Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		O (singula)
- DPC mode - CHOICE mode		0 (single) FDD
- CHOICE mode - Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set
DPCH compressed mode info TX Diversity mode		Not Present None
2	1	_ ··-··♥

Information Element		Value/remark
- SSDT information		Not Present
- Default DPCH Offset Value Downlink information for each radio link list	A1,A2,A3	Arbitrary set to value 0306688 by step of 512
-Downlink information for each radio link	A1,A2,A0	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- PDSCH with SHO DCH info		6.1 (FDD) Not Present
- PDSCH with SHO DCH into		Not Present
- Downlink DPCH info for each RL		Not Frederic
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
Consender CDICI Linfo		currently stored in SS) mod 38400
- Secondary CPICH info - Secondary scrambling code		Not Present
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
Os da garante en		Set
- Code number - Scrambling code change		0 No change
- TPC combination index		No change 0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	
-Downlink information for each radio link - Choice mode		FDD
- Primary CPICH info		FDD
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
, o		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
Downlink DPCH info for each RL Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
DL channelisation codeSecondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index - SSDT Cell Identity		0 Not Present
- SSDT Cell identity - Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH	<u> </u>	Not Present
- Downlink information for each radio link	A5, A7, A8	
- Choice mode		FDD
- Primary CPICH info - Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- Filliary Scrambling code		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH	ļ.,	Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Non speech to CELL_FACH from CELL_DCH in CS"
A8	This IE need for "Speech to CELL_FACH from CELL_DCH in CS"

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	TRUE
requirement	
- UE radio access TDD capability update	FALSE
requirement	
- System specific capability update requirement list	Gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	LIM DLC
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info - Information for each multiplexing option	2 PPMuvOntions
- RLC logical channel mapping indicator	2 RBMuxOptions Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	[1
- Downlink RLC logical channel info	
- Number of RLC logical channels	[1 FA OLI
- Downlink transport channel type	FACH Not Propert
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity Logical channel identity 	Not Present
Signalling RB information to setup	(AM DCCH for PPC)
- RB identity	(AM DCCH for RRC) Not Present
- RB identity - CHOICE RLC info type	Not Fresent
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	/ UVI IXLO
- SDU discard mode	No discard
- MAX_DAT	15
111.01_D/11	1

Information Floriant	Value framents
Information Element	Value/remark
- Transmission window size - Timer_RST	32 500
- Timer_RST - Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size Downlink RLC status info 	32
- Timer_status_prohibit	200
- Timer_status_profilibit - Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
MAC logical channel priority Paymink BLC logical shapped info	2
 Downlink RLC logical channel info Number of RLC logical channels 	1
- Normber of REC logical charmers - Downlink transport channel type	DCH
- DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
- MAC logical channel priority	13.6 kbps signalling radio bearer) 2
- Downlink RLC logical channel info	
Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	AM DLC
 CHOICE Uplink RLC mode Transmission RLC discard 	AM RLC
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
Poll_SDULast transmission PDU poll	1 TRUE
- Last transmission i Do poli	INOL

Information Element	Value/remark
 Last retransmission PDU poll 	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	32
	000
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
 Downlink RLC logical channel info 	
- Number of RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
	Not Flesent
- CHOICE RLC info type	
- RLC info	AM DLO
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	L
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	
	1 TRUE
- Last transmission PDU poll	
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
· =	•

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Information Element	Value/remark
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 DDM:wOntions
 Information for each multiplexing option RLC logical channel mapping indicator 	2 RBMuxOptions Not Present
Number of RLC logical channels	Not Flesent
- Number of REC logical channels - Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Nor Present
- UL DCH TFCS	Not i resent
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS 34.108
	clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio
	bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled
	Gain Factors)
- Gain factor ßc	11 (below 64 kbps)
	9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain Factors)
- Gain factor ßd	15
Deference TEO ID	(Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	
- CHOICE mode	FDD Not Present
- Power offset Pp-m	INOT LIESELIT
Added or Reconfigured UL TrCH information - Uplink transport channel type	DCH
- UL Transport channel identity	DCH 5
- OE Transport charmer identity	ľ
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Doubatod transport originios
- RLC size	According to TS 34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
	1 - 1 - 2 - 3 - 3

Information Element

- Number of TBs and TTI lists
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size

DL Transport channel information common for all transport channel

- SCCPCH TFCS
- CHOICE mode
- CHOICE DL parameters

Added or Reconfigured DL TrCH information

- Downlink transport channel type
- DL Transport channel identity
- CHOICE DL parameters
- Uplink transport channel type
- UL TrCH Identity
- DCH quality target
- BLER Quality value

Frequency info

Maximum allowed UL TX power

Uplink DPCH info

- Uplink DPCH power control info
- DPCCH power offset
- PC Preamble
- SRB delay
- Power Control Algorithm
- TPC step size
- Scrambling code type
- Scrambling code number
- Number of DPDCH
- Spreading factor
- TFCI existence
- Number of FBI bit
- Puncturing Limit

Downlink information common for all radio links

- Downlink DPCH info common for all RL
- Timing Indication
- CFN-targetSFN frame offset
- CHOICE mode
- Downlink DPCH power control information
- DPC mode
- Power offset P Pilot-DPDCH
- DL rate matching restriction information
- Spreading factor
- Fixed or Flexible Position
- TFCI existence
- CHOICE SF

Value/remark

(This IE is repeated for TFI number)

According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

ΑI

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Not Present

FDD

Same as UL

DCH

10

Same as UL

DCH 5

-2.0

Not Present

Not Present

-6dB-80dB (i.e. ASN.1 IE value of -40)

1 frame

7 frames

Algorithm1

1dB

Lona

0 (0 to 16777215)

Not Present(1)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Initialise

Not Present

FDD

0 (single)

0

Not Present

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Information Element	Value/remark
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for each radio links list	Thistiany sector value emerged by step of 512
- Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Code number	0
- Scrambling code change	Not Present
- TPC combination index	0
- SSDT Cell Identity	Not Present
 Closed loop timing adjustment mode 	Not Present
- SCCPCH information for FACH	Not Present

<< End of Modified Section >>

<< Start of Modified Section >>

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info - message authentication code		SS calculates the value of MAC-I for this
- message authentication code		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time New U-RNTI	A4, A5, A6	Not Present Not Present
New C-RNTI	A1, A2, A3,	Not Present
New O KKYII	A4	Not i resent
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6	
RRC State indicator	A1, A2, A3,	CELL_DCH
RRC State indicator	A4 A5, A6	CELL FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
o Trouve Drox dy did forigur dod molern	A4,A5,A6	Not 1 lossin
CN information info	, , , ,	Not Present
URA identity		Not Present
Downlink counter synchronisation info		Not Present
UL Transport channel information for all transport	A1, A2, A5,	Not Present
channels	A6 A3, A4	
UL Transport channel information for all transport channels	A3, A4	
- PRACH TFCS		Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information - CHOICE CTFC Size		Number of hits used must be enough to sour
- CHOICE CIFC Size		Number of bits used must be enough to cover all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
Davies offert interessiis		Parameter Set
- Power offset information		Computed Cain Factors/The last TEC is set to
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
		9 (higher than 64 kbps)
		(Not Present if the CHOICE Gain Factors is set
		to ComputedGain Factors)
- Gain factor βd		15
		(Not Present if the CHOICE Gain Factors is set
- Reference TFC ID		to ComputedGain Factors)
- CHOICE mode		0 FDD
- Power offset P p-m		Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5,	Not Present
1	, , , , ,	1

Information Element	Condition	Value/remark
	A6	

Information Element	Condition	Value/remark
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
 CHOICE Transport channel type 		Dedicated transport channels
 Dynamic Transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
N		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.) Not Present
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		7 ***
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
CPC size		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- Uplink transport channel type		Set DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
01101051 : 101 - 15 4		Set
- CHOICE Logical Channel list		All
Semi-static Transport Format information Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Type of charmer county		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
Add a Decedence IIII TOUL (40	Set (POLITON PTOLI)
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH)
 Uplink transport channel type UL Transport channel identity 		DCH
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Bodioatoa transport oriannolo
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
01101051		Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information Transmission time interval 		Reference to TS34.108 clause 6.10 Parameter
- Halishiission tille interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
. , , , , , , , , , , , , , , , , , , ,		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
	<u> </u>	Set

Information Element	Condition	Value/remark
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE mode	A1,A2,A3,	FDD
	A4,A5,A6	
- CPCH set ID		Not Present
- Added or Reconfigured TrCH		Not Present
information for DRAC list		
DL Transport channel information common for all	A1, A2,	Not Present
transport channel	A5,A6	
DL Transport channel information common for all	A3,A4	
transport channel		
- SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		No
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		Commiste reconfiguration
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure - CHOICE CTEC Size		Number of bits used must be enough to cover
- CHOICE CIFC Size		all combinations of CTFC from clause
		TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
0110		Parameter Set
- Power offset information		Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5,	Not Present
	A6	

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type	/	DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
 Uplink transport channel type 		DCH
- UL TrCH identity		5
- DCH quality target		N (B)
- BLER Quality value		Not Present
Downlink transport channel type DL Transport channel identity		DCH 6
- CHOICE DL parameters		Explicit
- TFS		Explicit
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		·
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		Not Decout
- Transmission Time Interval - Number of Transport blocks		Not Present Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
- Semi-static Transport Format information		Set
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
Transmission and marvar		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
000		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- DCH quality target		Set
- BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A3	-
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		Reference to TS34.108 clause 6.10 Parameter
- RLC Size		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		(This is to repeated for it i trainson,)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
		Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
T ()		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- County Nate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
Trate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		-2.0
Frequency info	A1,A2,A3,	
HADEON wells I (N.)	A4,A5	Defended to also 5.4.7. (4.
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)	Λ6	Reference to clause 5.1 Test frequencies
Frequency info Maximum allowed UL TX power	A6 A1,A2,A3,	Not Present
i iviaximum allowed UL TX DOWer	I A I,AZ,AJ,	33dBm

Information Element	Condition	Value/remark
	A4,A5,A6	
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
	A4	
-Uplink DPCH power control info		0 10 00 10 (1 40)
- DPCCH power offset		-6dB-80dB (i.e. ASN.1 IE value of -40)
- PC Preamble		1 frame 7 frames
- SRB delay - Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE Mode	A1,A2,A3,	FDD
Describe DDOOLLintermenties	A4,A5,A6	Not Decemb
- Downlink PDSCH information	A.F. A.C.	Not Present
Downlink information common for all radio links Downlink information common for all radio links	A5, A6	Not Present
- Downlink DPCH info common for all RL	A1, A2, A3	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		Not i resent
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
0110105.05		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
- DPCH compressed mode info		Set Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Fixed or Flexible Position		Set Reference to TS34.108 clause 6.10 Parameter
- FIXED OF FIEXIDIE POSITION		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
TT OT OXIDIOTIO		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512

Information Element	Condition	Value/remark
Downlink information for each radio link list	A1, A2, A3	
- Downlink information for each radio links	, ,	
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
PROGUL SI QUE POLICA		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Deign and ODIOLI are south a consist
Primary CPICH usage for channel estimation DPCH frame offset		Primary CPICH may be used
- DPCH frame offset		Set to value Default DPCH Offset Value (as
Power offset Para		currently stored in SS) mod 38400
- Power offset P _{Pilot-DPDCH} - Secondary CPICH info		Not Present
- DL channelisation code		Not Fresent
- Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	
- Downlink information for each radio links		
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value: Default DPCH Offset Value mod
Davis office t D		38400
- Power offset Ppilot-DPDCH		0 Not Present
- Secondary CPICH info - DL channelisation code		Not Present
- Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

<< End of Modified Section >>

CHANGE REQUEST				CR-Form-v7			
# TS:	34.108	CR 251	≋rev	1 * (Current version	on: 4.8.0	#
For <u>HELP</u> on	using this f	orm, see bottom o	of this page or	look at the	pop-up text o	over the % syn	nbols.
Proposed change	e affects:	UICC apps第	ME <mark>X</mark>	Radio Acc	cess Network	Core Ne	twork
Title:	光 CR to 34 for TDD	4.108 Rel-4: Addit	i <mark>on of cell upd</mark>	ate and hai	ndover defau	ılt message co	ntents
Source:	₩ CATT/C	CSA					
Work item code:	ж <mark>ТЕІ</mark>				Date: ♯	23/10/2003	
Reason for changes	F (cc A (cc B (ac C (fu D (ec Detailed e be found i ge: # TD tes nge: #	of the following categorrection) corresponds to a corredition of feature), inctional modification ditorial modification yxplanations of the an 3GPP TR 21.900. Didefault messagiting UE properly.	rection in an ear n of feature) bove categories e contents in c	lier release) s can cell update s	2 (0 R96 (1 R97 (1 R98 (1 R99 (1 Rel-4 (1 Rel-5 (1 Rel-6 (1	ne following rele GSM Phase 2) Release 1996) Release 1997) Release 1998) Release 1999) Release 4) Release 6)	for
	CE CE HA	LL UPDATE LL UPDATE CON NDOVER FROM NDOVER FROM	IFIRM UTRAN-GSM(,			
Consequences it not approved:	f # If th	nose message cor	ntents are not	defined, UE	might not be	e tested prope	erly.
Clauses affected	·	.2					
Other specs affected:	X	Other core spe Test specificati O&M Specifica	ons	×			
Other comments	<i>:</i>						

How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of CELL UPDATE message: TM

Information Element	<u>Value/remark</u>
Message Type	
U-RNTI	Checked to see if it is set to the following values
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Checked to see if it is absent
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 - RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
START List	Checked to see if the 'CN domain identity' and
	'START' IEs are present for all CN domains supported
	by the UE
- CN domain identity	Checked to see if it is one of the supported CN
	<u>domains</u>
- START	Checked to see if it is present
AM RLC error indication (RB2, RB3 or RB4)	Checked to see if it is set to 'FALSE'
AM_RLC error indication (RB>4)	Checked to see if it is set to 'FALSE'
Cell update cause	See the test content
Failure cause	Checked to see if it is absent
RB timer indicator	
- T314 expired	Checked to see if it is set to 'FALSE'
- T315 expired	Checked to see if it is set to 'FALSE'
Measured results on RACH	Not checked

Contents of CELL UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
U-RNTI	If this message is sent on CCCH, use the following
	values. Else, this IE is absent.
- SRNC identity	<u>0000 0000 0001B</u>
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Selects an arbitrary integer between 0 to 3
Integrity check info	
 Message authentication code 	Set to MAC-I value computed by the SS. The first/
	leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15

1	
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	Not Present – use default value
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_FACH
UTRAN DRX cycle length coefficient	Not Present
RLC re-establish indicator (RB2, RB3 and	FALSE
RB4)	
RLC re-establish indicator (RB5 and	FALSE
upwards)	
CN information info	Not Present
URA identity	
-URA identity	0000 0000 0000 0001B
RB information to release list	Not Present
RB information to reconfigure list	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information common	Not Present
for all transport channels	
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
CHOICE Mode	<u>TDD</u>
DL Transport channel information common	Not Present
for all transport channels	
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Not Present
CHOICE mode	TDD
Downlink information common for all radio	Not Present
links	
Downlink information per radio link list	Not Present

Contents of HANDOVER FROM UTRAN COMMAND-GSM message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
 Message authentication code 	Set to MAC-I value computed by the SS. The first/
	leftmost bit of the bit string contains the most
	significant bit of the MAC-I
 - RRC Message sequence number 	Set to an arbitrarily selected integer between 0 and 15
Activation time	Not Present – use default value "now"
RAB info	For each RAB to be handed over. In this version, the
	maximum size of the list of 1 shall be applied for all
	system types.
- RAB identity	<u>0000 0001B</u>
- CN domain identity	CS domain
 NAS Synchronization Indicator 	Not present
- Re-establishment time	<u>Use T315</u>
CHOICE System type	<u>GSM</u>
- Frequency band	Set to "GSM/ PCS 1900" if GSM/ PCS 1900 is used in
	this test. Otherwise set to "GSM/DCS 1800 Band"
- CHOIC GSM message	Single GSM message
 Single GSM message 	GSM HANDOVER COMMAND formatted and coded
	according to GSM specifications as BIT STRING
	(1512). The first/ leftmost/ most significant bit of the
	bit string contains bit 8 of the first octet of the GSM
	message. The contents of the HANDOVER
	COMMAND is to be defined in the specific test case.

Contents of HANDOVER FROM UTRAN FAILURE message: AM

Information Element/Group name	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in
	the corresponding downlink HANDOVER FROM
	<u>UTRAN COMMAND –GSM message</u>
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Inter-RAT handover failure	
- Inter-RAT handover failure cause	physical channel failure
 Protocol error information 	Check to see if it is absent
Inter-system message	Not checked

CHANGE REQUEST				
# T	S34.108 CR 252	current version: 4.8.0		
For <u>HELP</u> on u	ising this form, see bottom of this page or look at the p	oop-up text over the		
Proposed change	affects: UICC apps器 ME X Radio Acce	ess Network Core Network		
Title: ₩	CR to 34.108 Rel-4: Addition of measurement default	t message contents for TDD		
Source: #	CATT/CCSA			
Work item code: ∺	TEI	Date: **Total Control Con		
Category: 第	F Use one 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 TR 21.900.	Release: # Rel-4 Use 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) Rel-6 (Release 6)		
Reason for change: # TDD default message contents in measurement are included for testing UE properly.				
Summary of chang	In 9.1.2, the following new default message control have been added: MEASUREMENT CONTROL MEASUREMENT CONTROL FAILURE MEASUREMENT REPORT	ntents in measruement for LCR		
Consequences if not approved:	# If those message contents are not defined, UE	might not be tested properly.		
Clauses affected:	第 9.1.2			
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications			
Other comments:	*			

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked \$\mathbb{X}\$ 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 ftp://ftp.3gpp.org/specs/ 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of MEASUREMENT CONTROL Message: AM (Intra-frequence measurement) (1.28 Mcps TDD)

Information Element	Value/remark
Message Type	varas, omark
UE information elements	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	
- Message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
 - RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Measurement information elements	
Measurement Identity	$\left \frac{1}{2}\right $
Measurement Command Measurement Donortion Medic	Setup
Measurement Reporting Mode	A also acude de a disea de DLC
- Measurement Report Transfer Mode - Periodical Reporting/Event Trigger Reporting	Acknowledged mode RLC Periodical reporting
Mode	<u>Periodical reporting</u>
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	Intra requestey modedrement
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Not present
- New intra-frequency cell	
- Intra-frequency cell-id	<u>1</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	Not Present
- Read SFN number	FALSE
- CHOICE mode	<u>TDD</u>
- Primary CCPCH info	
- CHOICE mode	TDD 4 20 M TDD
- CHOICE TDD option	1.28 Mcps TDD
<u>-TSTD indicator</u> - Cell parameters ID	FALSE Reference clause 6.1.4 Default settings for cell 1(TDD)
- SCTD indicator	FALSE
- Primary CCPCH Tx power	Not present
- Timeslot list	Not present
- Cells for measurement	Not present
- Intra-frequency measurement quantity	
- Filter coefficient	Not present (use default 0)
- CHOICE mode	TDD
- Measurement quantity list	D: OODOU DOOD
- Measurement quantity	Primary CCPCH RSCP
- Intra-frequency reporting quantity	
 Reporting quantities for active set cells Cell synchronisation information reporting 	FALSE
indicator	IALOL
- Cell Identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TGSN reporting indicator	FALSE
- Primary CCPCH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	FALSE
 Reporting quantities for monitored set cells 	
- Cell synchronisation information reporting	FALSE
<u>indicator</u>	
- Cell Identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
 - Proposed TGSN reporting indicator - Primary CCPCH RSCP reporting indicator 	FALSE FALSE
- Pathloss reporting indicator	FALSE
- Patnioss reporting indicator - Reporting quantities for detected set cells	Not present
- Reporting quantities for detected set cells	INOT PLESCUE

Donordion cell status	I N. c
- Reporting cell status	Not present
- Measurement validity	Not present
- CHOICE report criteria	Intra-frequency measurement reporting criteria
- Parameters required for each event	
 Intra-frequency event identity 	<u>1g</u>
- Triggering condition 1	Not present
- Triggering condition 2	(this IE is MP only for event "1b" or "1f", TDD should not present) Not present (this IE is MP only for event "1c", TDD should not present) present)
Poparting Panga Constant	1
- Reporting Range Constant	Not present (this IE is MP only for event "1a" or "1b", TDD should not present)
- Cells forbidden to affect Reporting range	Not present
	(this IE is MP only for event "1a" or "1b", TDD should not present) Not present (this IE is MP only for event "1a" or "1b", TDD should not present)
- Hysteresis	0 dBm
- Threshold used frequency	Not present
	(this IE is MP only for event "1e", "1f", "1h" or "1i")
- Reporting deactivation	Not present
threshold	(this IE is MP only for event "1a", TDD should not
	present)
- Replacement activation	Not present
threshold	(this IE is MP only for event "1c" TDD should not present)
- Time to trigger	0 ms
- Amount of reporting	Not present
	(this IE is MP only for event "1a" or "1c" TDD should not
	present)
- Reporting interval	Not present
	(this IE is MP only for event "1a" or "1c", TDD should not
	present)
- Reporting cell status	Not present
Physical channel information elements	
DPCH Compressed mode status info	Not Present

Contents of MEASUREMENT CONTROL Message: AM (Inter-frequence measurement) (1.28 Mcps TDD)

Information Element	<u>Value/remark</u>
Message Type	
<u>UE information elements</u>	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	
 Message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
 - RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Measurement information elements	
Measurement Identity	2 Setup
Measurement Command	<u>Setup</u>
Measurement Reporting Mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
 Periodical Reporting/Event Trigger Reporting 	Periodical reporting
<u>Mode</u>	
Additional measurement list	Not present
CHOICE Measurement type	Inter-frequency measurement
- Inter-frequency measurement	
- Inter-frequency cell info list	
- CHOICE inter-frequency cell removal	Not present
- New inter-frequency cell	
- Inter-frequency cell-id	<u>4</u>
- Frequency info	
- CHOICE mode	<u>TDD</u>
- UARFCN (Nt)	Reference to table 6.1.7 for cell 4
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	Not Present
- Read SFN number	<u>FALSE</u>
- CHOICE mode	<u>TDD</u>
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
-TSTD indicator	FALSE
- Cell parameters ID - SCTD indicator	Reference clause 6.1.4 Default settings for cell 4(TDD)
- SCTD Indicator - Primary CCPCH Tx power	FALSE Not present
- Timeslot list	Not present
- Cells for measurement	Not present
- Inter-frequency measurement quantity	Not present
- CHOICE reporting criteria	Inter-frequency reporting criteria
- Inter-frequency reporting criteria	inter-frequency reporting chiena
- Filter coefficient	Not present (use default 0)
- CHOICE mode	TDD
- Measurement quantity for frequency quality	Primary CCPCH RSCP
estimate	Timely our orrivour
- Inter-frequency reporting quantity	
- UTRA Carrier RSSI	FALSE
- Frequency quality estimate	FALSE
	This parameters is not used in this release and should be
	set to FALSE. It shall be ignored by the UE.
- Non frequency related cell reporting quantities	
- Cell synchronisation information reporting	FALSE
indicator	
- Cell Identity reporting indicator	FALSE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TGSN reporting indicator	FALSE
- Primary CCPCH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	FASLE
- Reporting cell status	Not present
- Measurement validity	Not present
- Inter-frequency set update	Not present
	(this IE only for FDD)
- CHOICE report criteria	Inter-frequency measurement reporting criteria

- Parameters required for each event	
- Inter-frequency event identity	<u>2b</u>
- Threshold used frequency	-70dBm
	(this IE is MP for event 2b, 2d, or 2f
	Ranges used depend on measurement quantity.
	CPICH Ec/No -240dB
	CPICH/Primary CCPCH RSCP -11525dBm)
- W used frequency	0
	(this IE is MP for event 2a, 2b, 2d or 2f
	Real(0, 0.12.0 by step of 0.1))
- Hysteresis	1 dBm
- Time to trigger	5000 ms
- Reporting cell status	Within active set or within virtual active set or of the other
	RAT
- Maximum number of reporting cells	1
- Parameters required for each non-used	
frequency	
- Threshold non used frequency	<u>-70 dBm</u>
	(this IE is MP for event 2a, 2b, 2c or 2e
	Ranges used depend on measurement quantity.
	CPICH Ec/No -240dB
	CPICH/Primary CCPCH RSCP -11525dBm.
	This IE is not needed if the IE "Inter-frequency event
	identity" is set to 2a. However, it is specified to be
	mandatory to align with the ASN.1)
<u>- W non-used frequency</u>	<u>0</u>
	(this IE is MP if 2a, 2b, 2c or 2e
	Real(0, 0.12.0 by step of 0.1))
Physical channel information elements	
DPCH Compressed mode status info	Not Present

Contents of MEASUREMENT CONTROL FAILURE Message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it's set to the identical value for the
	same IE in the downlink MEASUREMENT CONTROL
	<u>message</u>
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 - RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	See the test content

Contents of MEASUREMENT REPORT message: AM (intra-frequency measurement) (1.28 Mcps TDD)

Information Element	<u>Value/remark</u>
Message Type	
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Measurement identity	1
Measured Results	
 Intra-frequency measured results 	
- Cell measured results	
- Cell Identity	Checked that this IE is present
 Cell synchronisation information 	Checked that this IE is absent
- CHOICE mode	<u>TDD</u>
- Cell parameters Id	Different from the Default setting in TS34.108 clause 6.1
	(TDD)
- Proposed TGSN	Checked that this IE is absent
- Primary CCPCH RSCP	Checked that this IE is absent
- Pathloss	Checked that this IE is absent
Timeslot list	Checked that this IE is absent
Measured results on RACH	Checked that this IE is absent
Additional measured results	Checked that this IE is absent
Event results	
- CHOICE event result	Intra-frequency measurement event results
- Intra-frequency measurement event results	
- Intra-frequency event identity	<u>lg</u>
- Cell measurement event results	
- CHOICE mode	TDD
- Primary CCPCH info	TDD I
- CHOICE mode	TDD 4.33 Mana TDD
- CHOICE TDD option	1.28 Mcps TDD FALSE
-TSTD indicator - Cell parameters ID	
- Cell parameters ID - SCTD indicator	Reference clause 6.1.4 Default settings for cell 1(TDD) FALSE
- SCTD Indicator	<u>FALOE</u>

Contents of MEASUREMENT REPORT message: AM (inter-frequency measurement) (1.28 Mcps TDD)

Information Element	<u>Value/remark</u>
Message Type	
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 - RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Measurement identity	1
Measured Results	Checked that this IE is absent
Measured results on RACH	Checked that this IE is absent
Additional measured results	Checked that this IE is absent
Event results	
- CHOICE event result	Inter-frequency measurement event results
 Inter-frequency measurement event results Inter-frequency event identity 	26
- Inter-frequency cells	<u>2b</u>
- Frequency info	Reference to table 6.1.7 for cell 4
- Non frequency related measurement event	Neterial to table 0.1.7 for cell 4
results	
- Cell measurement event results	
- CHOICE mode	<u>TDD</u>
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
-TSTD indicator	FALSE
- Cell parameters ID	Reference clause 6.1.4 Default settings for cell 1(TDD)
- SCTD indicator	FALSE

3GPP TSG-T1 Meeting #21 Budapest, Hungary, 3-7 Nov 2003

		CHANGE	REQUE	ST			CR-Form-v7
ж <mark>т</mark>	<mark>34.108</mark> CR	253	rev 1	第 Curre	nt version:	4.8.0	X
For <u>HELP</u> on u	sing this form, see	e bottom of this p	page or look	at the pop-u	ıp text over	the ₩ syn	nbols.
Proposed change a	affects: UICC a	apps#	ME X Ra	dio Access N	Network	Core Ne	twork
Title:	CR to 34.108 Recontents for TDD		hysical cha	nnel reconfig	juration defa	ault messa	ige
Source: #	CATT/CCSA						
Work item code: 光	TEI			Da	ate: ೫ 23/	10/2003	
Category: 第	B (addition o	ds to a correction f feature), modification of featorial featorial featon of featodification) on s of the above c	ature)	Use 2 elease) R R R R R	996 (Rele 997 (Rele 998 (Rele 999 (Rele 8el-4 (Rele 8el-5 (Rele		ases:
	00 TDD 1.(- II		. (- ! ! !		,	•	
Reason for change	: 器 TDD default for testing U		nts in physic	cal channel r	econfigurat	ion are inc	luded
Summary of chang	PHYSICAL PHYSICAL	e following new ation for LCR TD CHANNEL REG CHANNEL REG CHANNEL REG	D have bee CONFIGURA CONFIGURA	n added: ATION ATION COM	PLETE	al channel	
Consequences if not approved:	器 If those me	essage contents	are not defi	ned, UE migl	ht not be te	sted prope	rly.
Clauses affected:	第 9.1.2						
Other specs affected:	X Test	r core specificati specifications Specifications	ions				
Other comments:							

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1) Fill out the above form. The symbols above marked \$\mathbb{K}\$ contain pop-up help information about the field that they are closest to.

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- 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM (1.28 Mcps TDD)

Information Element	Condition	<u>Value/remark</u>
Message Type	A1, A2, A3,	
	<u>A4, A5, A6</u>	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info - message authentication code		SS calculates the value of MAC I for this
- message aumentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info Activation time	A1, A2, A3	Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5, A6	Now
New U-RNTI	7117107710	Not Present
New C-RNTI	A1, A2, A3,	Not Present
	<u>A4</u>	
New C-RNTI	<u>A5, A6</u>	<u>'1010 1010 1010 1010'</u>
New DSCH-RNTI	A1, A2, A3,	Not Present
New H-RNTI	A4, A5, A6	Not Present
INCW IT-KINII	A1, A2, A3, A4, A5, A6	NOT FIESEIIL
RRC State indicator	A1, A2, A3,	CELL_DCH
THE State Maleuter	A4	<u> </u>
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
	A4, A5, A6	
CN information info		Not Present
URA identity Downlink counter synchronisation info		Not Present Not Present
Frequency info	A1, A2, A3,	Not Fresent
<u></u>	A4, A5	
- Choice mode		TDD
UARFCN (Nt)		Reference to clause 5.1 Test frequencies
Frequency info	<u>A6</u>	Not Present
Maximum allowed UL TX power CHOICE channel requirement	A5, A6	33dBm Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
OTTOTOL GRAINET requirement	A4	Opinik Di Orrino
- Uplink DPCH power control info	<u></u>	
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- PRXPDPCHdes		-80 Integer(-12058 by step of 1)
- CHOICE UL OL PC info - CHOICE TDD option		Individually Signalled 1.28 Mcps TDD
- TPC step size		1.20 MCPS 1DD
- Primary CCPCH Tx Power		20 Integer(643)
- CHOICE mode		TDD
- Uplink Timing Advance Control		
- CHOICE Timing Advance		Enabled
- CHOICE TDD option - Uplink synchronisation parameters		1.28 Mcps TDD
- Uplink synchronisation step size		1
- Uplink synchronisation frequency		$\begin{bmatrix} \frac{1}{1} \end{bmatrix}$
- Synchronisation parameters		
- SYNC_UL codes bitmap		<u>01010101</u>
- FPACH info		
- Timeslot number		0 16/15
 Channelisation code Midamble Shift and burst type 		10/13
- CHOICE TDD option		1.28 Mcps TDD
CHOICE IDD OPTION		<u></u>

	T	
Information Element	Condition	Value/remark
- Midamble Allocation Mode		Default midamble
- Midamble configuration - WT		16 Integer(2, 4, 6, 8, 10, 12, 14, 16)
- W I - PRXUpPCHdes		4 Integer(14) -80 dBm
- SYNC UL procedure		-00 dbiii
- Max SYNC_UL Transmissions		2
- Power Ramp Step		2 2
- UL CCTrCH List		₹
- TFCS ID		1
- UL Target SIR		Real (-11 20 by step of 0.5dB)
<u> </u>		Reference to TS34.108 Parameter set.
- Time info		Treference to Tee 1. Tee 1 drameter cent
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration		Infinite
- Common timeslot info		
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
		set
- Puncturing limit		Reference to TS34.108 clause 6 Parameter
		<u>set</u>
- Repetition period	1	<u>1</u>
- Repetition length	1	Null
 Uplink DPCH timeslots and code 		
- Dynamic SF usage	1	<u>FALSE</u>
 First individual timeslot info 		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		1 OR 2 OR 3
- TFCI existence		TRUE
- Midamble shift and burst type		4.20 Mana TDD
- CHOICE TDD option - Midamble allocation mode		1.28 Mcps TDD Default midamble
- Midamble configuration		16
- Midamble Configuration - Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		QPSK
- SS-TPC Symbols		1
- Additional TPC-SS Symbols		Not present
- First timeslot Code List		Repeated (1,2) for each channelisation code
T HOL WHOOLOG COOK ELOC		assigned in the slot to meet the
		needs of TS34.108 clause 6
		Parameter Set.
- channelisation codes		(SF/ i) where i denotes an unassigned code
		matching the SF specified in
		TS34.108 clause 6 Parameter Set.
- CHOICE more timeslots		No more timeslots
- UL CCTrCH List to Remove	1	Not present
CHOICE Mode	A1, A2, A3,	TDD
	A4, A5, A6	
Downlink HS-PDSCH Information	A1, A2, A3,	Not Present
	A4, A5, A6	
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		
- Timing indication		<u>Maintain</u>
 CFN-targetSFN frame offset 	1	Not Present
 Downlink DPCH power control information 	1	
- CHOICE mode		<u>TDD</u>
- TPC Step Size	1	1
- MAC-d HFN initial value	1	Not Present
- CHOICE mode	1	TDD
- CHOICE mode		TDD
- CHOICE TDD option	1	1.28 Mcps TDD
- TSTD indicator	1	FALSE
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	<u>A4</u>	
- Downlink DPCH info common for all RL	1	Land B
- Timing indication	<u> </u>	<u>Initialise</u>

Information Element - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - TPC Step Size - MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Default DPCH Offset Value - Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode - Choice TDD Option	
- Downlink DPCH power control information - CHOICE mode - TPC Step Size - MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Default DPCH Offset Value - Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD - TDD	
- CHOICE mode - TPC Step Size - MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Default DPCH Offset Value - Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode	
- TPC Step Size - MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Default DPCH Offset Value - Default DPCH Offset Value - Downlink information common for all radio links - Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode - TDD	
- MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Downlink information common for all radio links - Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode - TDD	
- CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - CHOICE mode - Default DPCH Offset Value - TDD - Default DPCH Offset Value - Default DPCH Offset Value - Default DPCH Offset Value - Downlink information common for all radio links - Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode - Choice mode - Choice mode - TDD - TDD	
- CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Default DPCH Offset Value - Default DPCH Offset Value Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD TDD	
- CHOICE TDD option - TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value - Default DPCH Offset Value - Default DPCH Offset Value Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD 1.28 Mcps TDD FALSE Do Integer(07) A5, A6 Not Present A1, A2,A3 TDD	
- TSTD indicator - Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD TDD	
- Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD TDD	
- CHOICE mode - Default DPCH Offset Value Downlink information common for all radio links Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD TDD	
Downlink information common for all radio links Downlink information per radio link list Downlink information for each radio link Choice mode Primary CCPCH info Choice mode TDD	
Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD TDD	
Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode TDD TDD	
- Choice mode - Primary CCPCH info - Choice mode TDD TDD	
- Primary CCPCH info - Choice mode TDD	
- Choice mode TDD	
- Choice TDD Ontion 1.28 More TDD	
- TSTD indicator FALSE	_
- Cell parameters ID Ref. to the Default setting in TS34.10	8 clause
6.1 (TDD) Integer(0127)	
- SCTD indicator FALSE	
- Downlink DPCH info for each RL	
- CHOICE mode TDD	
- DL CCTrCh List	
- TFCS ID 2 Integer(1.8)	
- Time info - Activation time Now	
- Duration Infinite	
- Common timeslot info	
- 2nd interleaving mode Default value is "Frame"	
- TFCI coding Reference to TS34.108 clause 6 Para	ameter
set	<u>arriotor</u>
- Puncturing limit Reference to TS34.108 clause 6 Para	ameter
set	<u></u>
- Repetition period 1	
- Repetition length NULL	
- Downlink DPCH timeslots and codes	
- First individual timeslot info	
- Timeslot number	
- CHOICE TDD option 1.28 Mcps TDD	
- Timeslot number 4 OR 5 OR 6	
- TFCI existence TRUE	
- Midamble shift and burst type	
- CHOICE TDD option 1.28 Mcps TDD	
- Midamble allocation mode Default midamble	
- Midamble configuration 16	
- Midamble Shift Not Present	
- CHOICE TDD option 1.28 Mcps TDD	
- Modulation QPSK	
- SS-TPC Symbols 1	
- Additional TPC-SS Sysbols - First timeslot channelisation codes Not present Repeated (1,2) for each channelisation	n oods
- First timeslot channelisation codes Repeated (1,2) for each channelisation assigned in the slot to meet t	
needs of TS34.108 clause 6	10
Parameter Set.	
- CHOICE codes representation	
- Channelisation codes bitmap Reference to TS34.108 clause 6.11	
Parameter Set	
- CHOICE more timeslots No more timeslots	
- UL CCTrCH TPC List This list is not required for 1.28 Mcps	TDD
and is to be ignored by the U	
- UL TPC TFCS Identity	
- TFCS ID 1	
- Shared Channel Indicator FALSE	
- DL CCTrCH List to Remove Not present	

Information Element	Condition	Value/remark
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A4</u>	
- Downlink information for each radio link		
- Choice mode		TDD
- Primary CCPCH info		
- Choice mode		TDD
 Choice TDD Option 		1.28 Mcps TDD
TSTD indicator		<u>FALSE</u>
- Cell parameters ID		Ref. to the Default setting in TS34.108 clause
		6.1 (TDD) Integer(0127)
- SCTD indicator		<u>FALSE</u>
- Downlink DPCH info for each RL		
- CHOICE mode		TDD
- DL CCTrCh List		Not Present
- DL CCTrCH List to Remove		Not present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A5</u>	
- Downlink information for each radio link		TDD
- Choice mode		TDD
- Primary CCPCH info		TDD
- Choice mode		TDD 4.39 Mana TDD
- Choice TDD Option - TSTD indicator		1.28 Mcps TDD FALSE
- Cell parameters ID		Ref. to the Default setting in TS34.108 clause
- Cell parameters ID		6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A6</u>	Not Present

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	This IE need for "Non speech in CS"
<u>A2</u>	This IE need for "Speech in CS"
<u>A3</u>	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A2 A3 A4 A5 A6	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM (1.28 Mcps TDD)

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identifier	Checked to see if it's set to identical value of the same IE
	in the downlink PHYSICAL CHANNEL
	RECONFIGURATION message
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
<u>Uplink integrity protection activation info</u>	Not checked
CHOICE mode	<u>TDD</u>
CHOICE TDD option	1.28 Mcps TDD
COUNT-C activation time	Not checked
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink PHYSICAL CHANNEL
	RECONFIGURATION message.
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

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How to create CRs using this form:

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

- 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 ftp://ftp.3gpp.org/specs/ 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of RADIO BEARER RECONFIGURATION message: AM or UM (1.28 Mcps TDD)

Information Element	Condition	Value/remark
Message Type	A1,A2,A3,	
Moccougo Typo	A4,A5,A6	
UE Information elements	211/210/210	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1,A2,A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4, A5,A6	Not Present
		MD Integer(0255) default is 'now"
New U-RNTI		Not Present
New C-RNTI	A1, A2, A3,	Not Present
	A4,	
New C-RNTI	A5, A6	<u>'1010 1010 1010 1010'</u>
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6	
RRC State indicator	A1, A2, A3,	CELL DCH
	A4	Indicates to a UE the RRC state to be entered.
RRC State indicator	A5, A6	CELL FACH
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
	A4,A5,A6	A coefficient in the formula to count the paging
		occasions to be used by a specific UE
CN information elements		
CN information info		Not Present
UTRAN mobility information elements		
URA identity		Not Present
RB information elements		
RAB information to reconfigure list		Not Present
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not
		always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		<u>1</u>
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS DT High priority)
- RB identity		<u>3</u>
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue	1	Not Present

Information Element	Condition	Value/remark
- RB information to reconfigure		(AM DCCH for NAS DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure - RB identity		(TM DTCH) 10
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	<u>A2</u>	TS25.331 specifies that "Although this IE is not
		always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1 Not Present
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIII0 - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info - RB stop/continue		Not Present
- RB information to reconfigure		Not Present (AM DCCH for NAS DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS DT Low priority)
- RB identity		$\frac{4}{N}$
- PDCP info - PDCP SN info		Not Present
- RLC info		Not Present Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		10
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue - RB information to reconfigure		Not Present (TM DTCH)
- RB identity		(TM DTCH) 11
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
 RB information to reconfigure 		(TM DTCH)
		(This IE is needed for 12.2 kbps and 10.2
DD identify:		kbps)
- RB identity		12 Not Brogent
- PDCP info - PDCP SN info		Not Present Not Present
- PDCF SN IIII0 - RLC info		Not Present
TALO IIIIO	1	100 1 1000m

Information Element	Condition	<u>Value/remark</u>
- RB mapping info		Not Present
- RB stop/continue	10.11.5	Not Present
RB information to reconfigure list	<u>A3,A4,A5,</u>	TS25.331 specifies that "Although this IE is not
	<u>A6</u>	always required, need is MP to align with ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		$\frac{2}{N}$
- PDCP info		Not Present
- PDCP SN info - RLC info		Not Present Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS DT Low priority)
- RB identity - PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DTCH)
- RB identity		<u>20</u>
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue RB information to be affected	A1, A2,	Not Present Not Present
RB IIIOIIIation to be affected	A1, A2, A3,A4,A5,	Not Present
	A6	
TrCH Information Elements	<u> </u>	
Uplink transport channels		
UL Transport channel information for all transport	A1, A2,	Not Present
channels	<u>A5,A6</u>	
UL Transport channel information for all transport	<u>A3, A4</u>	
<u>channels</u>		N / P
- PRACH TFCS		Not Present
- CHOICE mode		TDD
- Individual UL CCTrCH information - UL TFCS Identity		
- DE TECS Identity - TECS ID		1
- Shared Channel Indicator		FALSE
- UL TFCS		ITALOL
- CHOICE TFCI signalling		Normal
CHOICE IT Of Signaling		(another option "split" only for FDD)
- TFCI Field 1 Information		Aminana opinan opina only for those
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfiguration		
i oo oompicto reconniguration		<u> </u>

Information Element	Condition	<u>Value/remark</u>
information - CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from TS34.108
- CTFC information		clause 6.11.5.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4
- CTFC		Parameter Set Reference to TS34.108 clause 6.11.5.4
- Power offset information - CHOICE Gain Factors		Parameter Set Computed Gain Factors
_ <u>- Reference TFC ID</u> - CHOICE Gain Factors		(The last TFC is set to Signalled Gain Factors) 0 Integer(0 3) Signalled Gain Factors
CHOICE <i>mode</i>		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) TDD
- Gain Factor β _d - Reference TFC ID - CHOICE mode		15 0 Integer(0 3) TDD
- TFC subset		
- CHOICE Subset representation		Minimum allowed Transport format
Allowed to a continue of a continue tion		combination index
- Allowed transport format combination list		Not present
- Non-allowed transport format combination list		Not present
- Non-allowed transport format combination list		Not present
- Full transport format combination set		Not present
- TFC subset list		Not present
Deleted TrCH information list		
Deleted UL TrCH information	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured TrCH information list		
Added or Reconfigured UL TrCH information	A1, A2,	Not Present
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity	<u>A5,A6</u> <u>A4</u>	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH
- TFS - CHOICE Transport channel type		5 Dedicated transport channels
- Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.11.5 Parameter Set
- Number of TBs and TTI List - Transmission Time Interval		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11.5 Parameter Set
- CHOICE Logical Channel list - Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.11.5 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.11.5 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.11.5 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.11.5 Parameter Set
- CRC size		Reference to TS34.108 clause 6.11.5 Parameter Set
- Uplink transport channel type		DCH
- UL Transport channel identity - TFS		1
- CHOICE Transport channel type		Dedicated transport channels

Information Element	Condition	Value/remark
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.11.5
Number of TDs and TTI List		Parameter Set (This IF is see acted for TFI graph or)
- Number of TBs and TTI List - Transmission Time Interval		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11.5
		Parameter Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information Transmission time interval 		Deference to TS24 400 clause 6 44 F
- Transmission time interval		Reference to TS34.108 clause 6.11.5 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.11.5
		Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.11.5
- Rate matching attribute		Parameter Set Reference to TS34.108 clause 6.11.5
- Nate matching attribute		Parameter Set
- CRC size		Reference to TS34.108 clause 6.11.5
		Parameter Set
Added or Reconfigured UL TrCH information	<u>A3</u>	(DCH for DTCH)
 Uplink transport channel type UL Transport channel identity 		<u>DCH</u> 1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
 Dynamic Transport format information 		
- RLC Size		Reference to TS34.108 clause 6.11.5
- Number of TBs and TTI List		Parameter Set (This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11.5
		Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information - Transmission time interval		Reference to TS34.108 clause 6.11.5
- Transmission time interval		Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.11.5
		Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.11.5 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.11.5
		Parameter Set
- CRC size		Reference to TS34.108 clause 6.11.5
2112127		Parameter Set
CHOICE mode	A1,A2,A3, A4,A5,A6	TDD
- (no data)	<u>A4,A5,A6</u>	
Downlink transport channels		
DL Transport channel information common for all	A1, A2, A5,	Not Present
transport channel	<u>A6</u>	
DL Transport channel information common for all	<u>A3,A4</u>	
transport channel - SCCPCH TFCS		Not Present
- CHOICE mode		TDD
- Individual DL CCTrCH information		
- DL TFCS Identity		
- TFCS ID		
- Shared Channel Indicator - CHOICE DL parameters		Independent
- DL TFCS		indopondon.
- CHOICE TFCI signalling		Normal
		(Normal' : meaning no split in the TFCI field
TEOL Field 4 Information		either 'Logical' or 'Hard')
- TFCI Field 1 Information - CHOICE TFCS representation	-	Complete reconfiguration
- TFCS complete reconfiguration	+	Oshipiete reconniguration
	1	<u>i</u>

Information Element	Condition	<u>Value/remark</u>
information - CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause TS34.108 clause 6.11.5.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4
CTFC		Reference to TS34.108 clause 6.11.5.4 Parameter Set
- Power offset		Not Present
information Deleted Troll information list		
Deleted TrCH information list Deleted DL TrCH information	A4 A2 A2	Not Dropout
	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured TrCH information list		
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present
Added or Reconfigured DL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type	_	<u>DCH</u>
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
 Uplink transport channel type 		<u>DCH</u>
- UL TrCH identity		<u>5</u>
- DCH quality target		
- BLER Quality value		Not Present
 Downlink transport channel type 		<u>DCH</u>
 DL Transport channel identity 		<u>6</u>
- CHOICE DL parameters		Explicit
TFS		
 CHOICE Transport channel type 		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.11.5
No. 1 (TD) (TT)		Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
 <u>Dynamic transport format information</u> Transmission Time Interval 		Not Dropout
- Number of Transport blocks		Not Present Reference to TS34.108 clause 6.11.5
		Parameter Set
 Semi-static Transport Format information 		
- Transmission time interval		Reference to TS34.108 clause 6.11.5
		Parameter Set
 Type of channel coding 		Reference to TS34.108 clause 6.11.5
		Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.11.5
		Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.11.5
000 :		Parameter Set
- CRC size		Reference to TS34.108 clause 6.11.5 Parameter Set
- DCH quality target		i arameter oet
- BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A3	
- Downlink transport channel type		<u>DCH</u>
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		
- CHOICE Transport channel type		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.11.5
		Parameter Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Dynamic transport format information		
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.11.5
		Parameter Set
 Semi-static Transport Format information 		

Information Flowent	Candition	Valuatromork
Information Element - Transmission time interval	Condition	Value/remark Reference to TS34.108 clause 6.11.5
- Hansmission time interval		Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.11.5
		Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.11.5
- Rate matching attribute		Parameter Set Reference to TS34.108 clause 6.11.5
		Parameter Set
- CRC size		Reference to TS34.108 clause 6.11.5 Parameter Set
- DCH quality target		
- BLER Quality value		<u>-2.0</u>
PhyCH information elements	A4 A0 A0	
Frequency info	A1,A2,A3,	
- CHOICE mode	<u>A4,A5</u>	TDD
- UARFCN (Nt)		
	A6	Reference to clause 5.1 Test frequencies
Frequency info	Ab	Not Present
Uplink radio resources	A4 A0 A0	22 dD
Maximum allowed UL TX power	A1,A2,A3,	<u>33dBm</u>
CHOICE channel requirement	A4,A5,A6	Uplink DPCH info
CHOICE channel requirement	A1, A2, A3, A4	Oplink DPCH Inio
-Uplink DPCH power control info	<u>A4</u>	
-Oplink DPCH power control into		
CHOICE made		TDD
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- PRXPDPCHdes		<u>Integer(-12058 by step of 1)</u>
- CHOICE UL OL PC info		
 Broadcast UL OL PC info 		Null
- CHOICE mode		TDD
 Uplink Timing Advance Control 		
- CHOICE Timing Advance		Enabled
- CHOICE TDD option		1.28 Mcps TDD
- Uplink synchronisation		
parameters		
- Uplink synchronisation step		<u>1</u>
size		
- Uplink synchronisation		1
frequency		
 Synchronisation parameters 		Not Present
- UL CCTrCH List		
- TFCS ID		1
- UL Target SIR		Real (-11 20 by step of 0.5dB)
		Reference to TS34.108 Parameter set.
- Time info		
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration		infinite
- Common timeslot info		minute
		Default value in "France"
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
Dunaturing limit		Set Deference to TS24 109 clause 6 Peremeter
- Puncturing limit		Reference to TS34.108 clause 6 Parameter
Donatition paried		set
- Repetition period		1
- Repetition length		<u>empty</u>
 Uplink DPCH timeslots and code 		
 Dynamic SF usage 		FALSE
 First individual timeslot info 		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		1
	<u> </u>	<u> </u>

Information Element	Condition	Value/remark
- TFCI existence	<u>Sonation</u>	TRUE
- Midamble shift and burst type		
- CHOICE TDD option		1.28 Mcps TDD
- Midamble allocation mode		Default midamble
- Midamble configuration		<u>16</u>
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		<u>QPSK</u>
- SS-TPC Symbols		1
- Additional TPC-SS Sysbols		Not present
- First timeslot Code List		Repeated (1,2) for each channelisation code
- channelisation codes		assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.
- CHOICE more timeslots		No more timeslots
- UL CCTrCH List to Remove	A.F. A.G.	Not present
CHOICE channel requirement Downlink radio resources	<u>A5, A6</u>	Not Present
CHOICE Mode	A1,A2,A3,	TDD
OTTOTOE WINDO	A4,A5,A6	100
- Downlink PDSCH information		No date
Downlink information common for all radio links	<u>A5, A6</u>	Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		Maintain
- Timing indicaton - CFN-targetSFN frame offset		Maintain Not Present
- Downlink DPCH power control information		INOCTICSCIIL
- CHOICE mode		TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode - CHOICE TDD option		TDD 1.28 Mcps TDD
- TSTD indicator		FALSE
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	<u>A4</u>	
- Downlink DPCH info common for all RL		
- Timing indication		Initialise Note Brown
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information - CHOICE mode		TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode		TDD 4.00 Mars a TDD
- CHOICE TDD option - TSTD indicator		1.28 Mcps TDD FALSE
- Default DPCH Offset Value		IALUE
- CHOICE mode		TDD
- Default DPCH Offset Value		0
Downlink information per radio link list	A1, A2, A3,	
	<u>A4</u>	
- Downlink information for each radio link		TDD
- Choice mode - Primary CCPCH info		TDD
- Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Cell parameters ID		Reference clause 6.1.4 Default settings for cell
OOTD: "		1 544 05
 SCTD indicator Downlink DPCH info for each RL 		FALSE

Information Element	Condition	Value/remark
- CHOICE mode	<u> </u>	TDD
- DL CCTrCh List		100
- TFCS ID	Integer(1.8	Identity of this CCTrCh.Default value is 1
)	Identity of the Gotton Boldan value to 1
- Time info	_	
- Activation time		Now
- Duration		Infinite
- Common timeslot info		
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
		set
- Puncturing limit		Reference to TS34.108 clause 6 Parameter
		<u>set</u>
- Repetition period		<u>1</u>
- Repetition length		empty
- Downlink DPCH timeslots and codes		
- First individual timeslot info		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		4 OR 5 OR 6
- TFCI existence		TRUE
		IKUL
- Midamble shift and burst type		4 00 M TDD
		1.28 Mcps TDD
- Midamble allocation mode		<u>Default midamble</u>
 Midamble configuration 		<u>16</u>
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		<u>QPSK</u>
- SS-TPC Symbols		<u>1</u>
- Additional TPC-SS Sysbols		Not present
- First timeslot channelisation codes		Repeated (1,2) for each channelisation code
		assigned in the slot to meet the needs
		of TS34.108 clause 6 Parameter Set.
 CHOICE codes representation 		
- Channelisation codes bitmap		Reference to TS34.108 clause 6.10 Parameter
		Set
 CHOICE more timeslots 		No more timeslots
- UL CCTrCH TPC List		This list is not required for 1.28 Mcps TDD and
		is to be ignored by the UE.
 - UL TPC TFCS Identity 		
- TFCS ID		<u>1</u>
- Shared Channel Indicator		FALSE
- DL CCTrCH List to Remove		Not present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A5</u>	
- Downlink information for each radio link		
- Choice mode		<u>TDD</u>
- Primary CCPCH info		
- Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Cell parameters ID		Reference clause 6.1.4 Default settings for cell
COTD		1 541 05
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH	100	Not Present
Downlink information per radio link list	<u>A6</u>	
 Downlink information for each radio link 		Not Present

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	This IE need for "Non speech in CS"

A2	This IE need for "Speech in CS"
A2 A3 A4 A5 A6	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM (1.28 Mcps TDD)

	Information Element	<u>Value/remark</u>
Mess	sage Type	
RRC	transaction identifier	Checked to see if the value is identical to the same IE in
		the downlink RADIO BEARER RECONFIGURATION
		message
Inted	rity check info	
	Message authentication code	This IE is checked to see if it is present. The value is
		compared against the XMAC-I value computed by SS.
		The first/ leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
_	RRC Message sequence number	This IE is checked to see if it is present. The value is
		used by SS to compute the XMAC-I value.
Uplin	k integrity protection activation info	Not checked
CHO	ICE mode	TDD
	OICE TDD option	1.28 Mcps TDD (No data)
COU	NT-C activation time	Not checked
Radi	b bearer uplink ciphering activation time info	Not checked
Uplin	k counter synchronisation info	Not checked

Contents of RADIO BEARER RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RECONFIGURATION
	message.
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have	Not checked
succeeded List	

Contents of RADIO BEARER RELEASE message: AM or UM (1.28 Mcps TDD)

Information Element		<u>Value/remark</u>
Message Type	A1, A2,	
	<u>A3, A4,</u>	
	<u>A5, A6,</u>	
	<u>A7, A8</u>	
RRC transaction identifier		Arbitrarily selects an integer between 0 and
		<u>3</u>
Integrity check info		
 message authentication code 		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/

Information Element		Value/remark
		leftmost bit of the bit string contains the
		most significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
Integrity protection mode info		internal counter. Not Present
Ciphering mode info		Not Present
Activation time	A1, A2,	(256+CFN-(CFN MOD 8 + 8))MOD 256
	A3, A7, A8	
Activation time	<u>A4, A5, A6</u>	Not Present
New U-RNTI		Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6,	<u>'1010 1010 1010 1010'</u>
New O-MATT	A7, A8	1010 1010 1010
New DSCH-RNTI	A1, A2,	Not Present
	A3, A4,	
	<u>A5, A6,</u>	
N. H. DATT	A7, A8	N / D
New H-RNTI	A1, A2, A3, A4,	Not Present
	A3, A4, A5, A6,	
	A7, A8	
RRC State indicator	A1,A2, A3,	CELL_DCH
	<u>A4</u>	
RRC State indicator	<u>A5, A6,</u>	CELL FACH
LITE AND DEV	A7, A8	
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6,	Not Present
	A4,A5,A6,	
CN information info	<u>A7, A0</u>	Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release list	<u>A1, A7</u>	
RB information to release - RB identity		10
RB information to release list	A2, A8	<u>10</u>
RB information to release	7(2,710	
- RB identity		10
RB information to release		
- RB identity		<u>11</u>
RB information to release		40
- RB identity RB information to release list	A2 A4	<u>12</u>
RB Information to release list	A3, A4, A5, A6	
RB information to release	7.0,70	
- RB identity		<u>20</u>
RB information to be affected list	A1,A2,	Not Present
	A3,A4,A5,	
Described according complements of the first	A6, A7, A8	Not Present
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6,	Not Present
	A4,A5,A6, A7, A8	
UL Transport channel information for all transport channels	A1, A2,	TFCS reconfigured to fit the new transport
	A3, A4	channel configuration.
UL Transport channel information for all transport channels	A5, A6,	Not Present
	A7, A8	
Deleted TrCH information list	A1,A2, A3,	
Deleted UL TrCH Information	A5, A7, A8 A1,A2, A3,	
Deleted OF HOLLIHOHIIGHOL	A1,A2, A3, A5, A7, A8	
- Uplink transport channel type	7.0, A7, A0	DCH
- Transport channel identity		1
Deleted UL TrCH Information	A2, A8	
 Uplink transport channel type 		<u>DCH</u>

Information Element
Deleted UL TrCH Information
- Uplink transport channel identity Deleted TrCH information list Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport books - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 - Parameter Set - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CHOICE mode - DL Transport channel information for all transport channels - Transport channel information for all transport channels - Transport channel information for all transport channels - CRC size - CHOICE mode - DL Transport channel information for all transport channels - CRC size - CHOICE mode - DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - Deleted TrCH information list
- Transport channel identity Deleted TrCH information list Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Reference to TS34.108 clause 6.11 - Parameter Set - Coding Rate - Coding Rate - Coding Rate
Deleted TrCH information list
Added or Reconfigured TrCH information list Added or Reconfigured Ut TrCH information Uplink transport channel type Ut Transport channel identity TFS CHOICE Transport channel type Dedicated transport channels Not present Reference to TS34.108 clause 6.11 Parameter Set CHOICE Logical Channel list Number of Transport information Transports of Transport information Transports of Transport locks Transmission Time Interval Not present Reference to TS34.108 clause 6.11 Parameter Set All in NULL) Reference to TS34.108 clause 6.11 Parameter Set All in NULL) Reference to TS34.108 clause 6.11 Parameter Set All in Null Reference to TS34.108 clause 6.11 Parameter Set TDD (No data) DL Transport channel information for all transport channels A1, A2, A3, A4, A1, A2, A3, A4, A5, A6, A7, A8 Deleted TrCH information list Deleted TrCH information list Deleted DL TrCH Information DL Transport channel type
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Number of TBs and TTI List - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 Parameter Set - CHOICE Logical Channel list - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 Parameter Set - Type of channel coding - Reference to TS34.108 clause 6.11 Parameter Set - CR can actual tribute - Rate matching attribute - Rate matching attribute - CRC size CHOICE mode DL Transport channel information for all transport channels DL Transport channel information A1, A2, A3, A5, A7, A8 Deleted TrCH information
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dedicated transport channels - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Number of TBs and TTI List - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Type of channel coding - Type of channel coding - Reference to TS34.108 clause 6.11 Parameter Set - Coding Rate - Canding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels - A1, A2, A3, A4, A5, A6, A7, A8 Deleted TrCH Information list - Deleted DL TrCH Information A1, A2, A3, A5, A7, A8 - Downlink transport channel type DCH
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel type - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 Parameter Set - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 Parameter Set - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - Rate matching attribute DL Transport channel information for all transport channels Deleted TrCH information list - Deleted DL TrCH Information DL Tronsport channel type DCH
- Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Transmission time interval - Semi-static Transport Format information - Transmission time interval - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 - Parameter Set - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - Rate matching attribute - CRC size - CHOICE mode DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - Deleted TrCH Information list - Deleted TrCH Information - Downlink transport channel type - DCH - Uniformation list - Deleted TrCH Information list - Deleted TrCH Information
- UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Transmission time interval - Reference to TS34.108 clause 6.11 - Parameter Set - CHOICE Logical Channel list - Transmission time interval - Reference to TS34.108 clause 6.11 - Parameter Set - Type of channel coding - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - Type of channel configuration for all transport channels - CRC size - CRC size - CRC size - CHOICE mode - DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - A1, A2, A3, A4, DL TFCS reconfigured to fit the new transport channel configuration. DL Transport channel information - Deleted TrCH information - Deleted DL TrCH Information - Downlink transport channel type - DCH
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TFI number.) Not present - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Transmission time interval - Transmission time interval - Transmission time interval - Type of channel coding - Transmission time interval - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CRC size - CHOICE mode - DL Transport channel information for all transport channels - Type of channel information for all transport channels - Type of channel information for all transport channels - CRC size - CRC s
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CRC size - CHOICE mode - DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - Deleted TrCH information - Deleted TrCH information - Deleted DL TrCH Information - Downlink transport channel type - DCH - Number of Ts34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - CRC size
- Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Transmi
Reference to TS34.108 clause 6.11 Parameter Set - Number of TBs and TTI List - Transmission Time Interval Not present - Number of Transport blocks Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set All (NULL) - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Param
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Transmission time interval - Type of channel coding - Type of channel coding - Coding Rate - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CHOICE mode - CHOI
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission time interval - Type of channel coding - Type of channel coding - Coding Rate - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CRC size - CHOICE mode - DL Transport channel information for all transport channels - TDD (No data) - DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - Deleted TrCH information - Deleted DL TrCH Information - Downlink transport channel type - CHOICE mode - DL Transport channel type - DCH - CHOICE mode - DL Transport channel information for all transport channels - Deleted DL TrCH Information - Downlink transport channel type - DCH - (This IE is repeated for TFI number.) Not present - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - CHOICE mode - CRC size - CRC
- Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels - DL Transport channel information for all transport channels - Deleted TrCH information list - Development of Transport channel type - CHOICE mode DL Transport channel type - CHOICE mode DL Transport channel information for all transport channels - Deleted DL TrCH Information - Not present - Reference to TS34.108 clause 6.11 - Parameter Set - Reference to TS34.108 clause 6.11 - Parameter Set - CHOICE mode - TDD (No data) - TFCS reconfigured to fit the new transport channel configuration Not Present - Deleted DL TrCH Information - Deleted DL TrCH Information - Deleted TrCH Information - Deleted DL TrCH Information - Downlink transport channel type - DOWNlink transport channel type - DOWNlink transport channel type
- Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels Deleted TrCH information list - Deleted DL TrCH Information - CHOICE mode DCH TrCH Information - Number of Transport channel type Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set TDD (No data) TTCS reconfigured to fit the new transport channel configuration. Not Present A1, A2, A3, A5, A7, A8 DCH
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels Deleted TrCH information list - Deleted DL TrCH Information - Transport channel type Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set TDD (No data) TFCS reconfigured to fit the new transport channel configuration. A1, A2, A3, A4, A7, A8 DCH
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels DL Transport channel information for all transport channels - Deleted TrCH information - Downlink transport channel type Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set TDD (No data) TFCS reconfigured to fit the new transport channel configuration. Not Present A1, A2, A3, A4, A5, A6, A7, A8 Deleted TrCH information A1, A2, A3, A5, A7, A8 DCH
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels DL Transport channel information for all transport channels - Deleted TrCH information - Downlink transport channel type Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set TDD (No data) TFCS reconfigured to fit the new transport channel configuration. Not Present A1, A2, A3, A4, A5, A6, A7, A8 Deleted TrCH information A1, A2, A3, A5, A7, A8 DCH
Parameter Set - Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels Deleted TrCH information list - Deleted DL TrCH Information - Type of channel coding Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set TDD (No data) TFCS reconfigured to fit the new transport channel configuration. Not Present A1, A2, A3, A4, A4, A8 DCH
- Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels Deleted TrCH information Deleted DL TrCH Information - Downlink transport channel type Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108
- Coding Rate - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - CRC size - CHOICE mode DL Transport channel information for all transport channels A1, A2, A3, A4, Not Present Deleted TrCH information A1, A2, A7, A8 Deleted DL TrCH Information A1, A2, A3, A5, A7, A8 Deleted DL TrCH Information DCH
- Coding Rate - Rate matching attribute - Reference to TS34.108 clause 6.11 Parameter Set - CRC size - CRC size - CROUCE mode DL Transport channel information for all transport channels A5, A6, A7, A8 Deleted TrCH information A1, A2, A3, A5, A7, A8 DOUBLE Market Parameter Set TDD (No data) TFCS reconfigured to fit the new transport channel configuration. Not Present A1, A2, A3, A5, A7, A8 DOUBLE MARKET AND CHANNEL OF TOWN C
Parameter Set - Rate matching attribute - CRC size - CRC size CHOICE mode DL Transport channel information for all transport channels A1, A2, A3, A4, A7, A8 Deleted TrCH information list - Deleted DL TrCH Information A1, A2, A3, A5,A7, A8 DCH
- Rate matching attribute - CRC size - CRC size CHOICE mode DL Transport channel information for all transport channels A1, A2, A3, A4, A7, A8 Deleted TrCH information list - Deleted DL TrCH Information A1, A2, A3, A5, A7, A8 DCH
Parameter Set - CRC size Reference to TS34.108 clause 6.11 Parameter Set CHOICE mode DL Transport channel information for all transport channels DL Transport channel information for all transport channels DL Transport channel information for all transport channels A1, A2, A3, A4, Channel configuration. Not Present Deleted TrCH information list Deleted DL TrCH Information A1, A2, A3, A5,A7, A8 DOUBLET INFORMATION INTO INTO INTO INTO INTO INTO INTO
- CRC size Reference to TS34.108 clause 6.11 Parameter Set
Parameter Set
CHOICE mode TDD (No data)
DL Transport channel information for all transport channels A1, A2, A3, A4, DL Transport channel information for all transport channels DL Transport channel information for all transport channels A5, A6, A7, A8 Deleted TrCH information Deleted DL TrCH Information A1, A2, A3, A5, A7, A8 Downlink transport channel type DCH
A3, A4, channel configuration.
A7, A8 Deleted TrCH information list A1, A2, A3, A5,A7, A8 - Downlink transport channel type DCH
Deleted TrCH information list - Deleted DL TrCH Information A1, A2, A3, A5,A7, A8 - Downlink transport channel type
- Deleted DL TrCH Information A1, A2, A3, A5,A7, A8 - Downlink transport channel type DCH
A3, A5,A7, A8 - Downlink transport channel type
- Downlink transport channel type DCH
- Downlink transport channel type DCH
<u> </u>
- Deleted DL TrCH Information A2, A8
- Downlink transport channel type
- Transport channel identity 7
- Deleted DL TrCH Information A2, A8
- Downlink transport channel type DCH
- Transport channel identity 8
Deleted TrCH information list A4, A6 Not Present
Added or Reconfigured TrCH information list
- Added or Reconfigured DL TrCH information A5, A6, Not Present
A7, A8 - Added or Reconfigured DL TrCH information A1, A2, 1 TrCHs (DCH for DCCH)
- Added or Reconfigured DL TrCH information A1, A2, A3, A4 1 TrCHs (DCH for DCCH)
- Downlink transport channel type DCH
- DL Transport channel identity 10
- CHOICE DL parameters Same as UL
- Uplink transport channel type DCH
n ————————————————————————————————————
- UL TrCH identity 5
- UL TrCH identity 5 - DCH quality target

Information Element		Value/remark
omaion Elonom	A3, A4,	- undonomain
	A5, A7, A8	
- Choice mode		<u>TDD</u>
UARFCN (Nt)	100	Reference to clause 5.1 Test frequencies
Frequency info	<u>A6</u>	Not Present
Maximum allowed UL TX power	A1, A2, A3, A4,	<u>33dBm</u>
	A7, A8	
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement	A5, A6,	Not Present
	A7, A8	
CHOICE channel requirement	A1, A2,	Uplink DPCH info
Unlink DDCI I never control info	<u>A3, A4</u>	Net Dresent
- Uplink DPCH power control info - CHOICE mode		Not Present TDD
- Uplink Timing Advance Control		Not Present
- UL CCTrCH List		NOT FOOTE
- TFCS ID		1
- UL Target SIR		Real (-11 20 by step of 0.5dB)
		Reference to TS34.108 Parameter set.
- Time info		
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration		<u>Infinite</u>
- Common timeslot info		
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
Dispositivation or limit		Set
- Puncturing limit		Reference to TS34.108 clause 6 Parameter set
- Repetition period		1
- Repetition length		_
- Uplink DPCH timeslots and code		
- Dynamic SF usage		FALSE
- First individual timeslot info		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		1 OR 2 OR 3
- TFCI existence		TRUE
- Midamble shift and burst type		
- CHOICE TDD option		1.28 Mcps TDD
- Midamble allocation mode		Default midamble
- Midamble configuration		16
- Midamble Shift - CHOICE TDD option		Not Present 1.28 Mcps TDD
- Modulation		QPSK
- SS-TPC Symbols		1
- Additional TPC-SS Symbols		Not present
- First timeslot Code List		Repeated (1,2) for each channelisation
		code assigned in the slot to meet
		the needs of TS34.108 clause 6
		Parameter Set.
- channelisation codes		(SF/ i) where i denotes an unassigned code
		matching the SF specified in TS34.108 clause 6 Parameter Set.
- CHOICE more timeslots		No more timeslots
- UL CCTrCH List to Remove		Not present
CHOICE Mode	A1, A2,	TDD
<u> </u>	A3, A4,	
	<u>A5, A6,</u>	
	A7, A8	
Downlink HS-PDSCH Information	A1, A2,	Not Present
	<u>A3, A4,</u>	

Information Element		Value/remark
	A5, A6,	
	A7, A8	
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	A1, A2, A3	
- Timing indication		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- CHOICE mode		TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode - CHOICE mode		TDD TDD
- CHOICE TIDD option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4, A7, A8	
- Downlink DPCH info common for all RL		
- Timing indication		Initialise
- CFN-targetSFN frame offset - Downlink DPCH power control information		Not Present
- CHOICE mode		TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Default DPCH Offset Value - CHOICE mode		TDD
- Default DPCH Offset Value		0 Integer(07)
Downlink information per radio link list	A1, A2,	<u>o mogor(o.rr)</u>
<u> </u>	A3, A4,	
 Downlink information for each radio link 		
- Choice mode		<u>TDD</u>
- Primary CCPCH info - Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Cell parameters ID		Ref. to the Default setting in TS34.108
		clause 6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		TDD
- CHOICE mode - DL CCTrCh List		TDD
- TFCS ID		2 Integer(1.8)
- Time info		
- Activation time		Now
- Duration		<u>Infinite</u>
- Common timeslot info		B ()
- 2 nd interleaving mode	<u> </u>	Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
- Puncturing limit		set Reference to TS34.108 clause 6 Parameter
- r uncturing mint		set
- Repetition period		1
- Repetition length		NULL
- Downlink DPCH timeslots and codes		
- First individual timeslot info		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		4 OR 5 OR 6
- TFCI existence		TRUE
- Midamble shift and burst type		
ıL	1	1

Information Element		<u>Value/remark</u>
- CHOICE TDD option		1.28 Mcps TDD
- Midamble allocation mode		Default midamble
- Midamble configuration		16
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		QPSK
- SS-TPC Symbols		1
- Additional TPC-SS Sysbols		Not present
- First timeslot channelisation codes		Repeated (1,2) for each channelisation
That uncolor charmonation codes		code assigned in the slot to meet
		the needs of TS34.108 clause 6
		Parameter Set.
- CHOICE codes representation		
- Channelisation codes bitmap		Reference to TS34.108 clause 6.10
		Parameter Set
- CHOICE more timeslots		No more timeslots
- UL CCTrCH TPC List		This list is not required for 1.28 Mcps TDD
		and is to be ignored by the UE.
- UL TPC TFCS Identity		
- TFCS ID		<u>1</u>
- Shared Channel Indicator		<u>FALSE</u>
- DL CCTrCH List to Remove		Not present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	A5 ,A7, A8	
- Downlink information for each radio link		
- Choice mode		<u>TDD</u>
- Primary CCPCH info		
- Choice mode		<u>TDD</u>
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Cell parameters ID		Ref. to the Default setting in TS34.108
SCTD indicator		clause 6.1 (TDD) Integer(0127) FALSE
- SCTD indicator		
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH	A.C.	Not Present
Downlink information per radio link list	A6	Not Present

<u>Condition</u>	<u>Explanation</u>	
<u>A1</u>	This IE need for "Non speech in CS"	
<u>A2</u>	This IE need for "Speech in CS"	
A3 A4 A5 A6 A7	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"	
<u>A4</u>	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"	
<u>A5</u>	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"	
<u>A6</u>	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"	
<u>A7</u>	This IE need for "Non speech to CELL_FACH from CELL_DCH in CS"	
<u> </u>	This IE need for "Speech to CELL FACH from CELL DCH in CS"	

Contents of RADIO BEARER RELEASE COMPLETE message: AM (1.28 Mcps TDD)

Message Type	
RRC transaction identifier	Checked to see the value is identical to the same IE in the
	downlink RADIO BEARER RELEASE message.
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.

CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD (no data)
COUNT-C activation time	The presence of this IE depends on the following 2
	factors: (a) There exists RB(s) mapped to RLC-TM and
	(b) UE is transiting to CELL_DCH state after the RB
	release procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE
	message, this IE must be absent. Else, SS checks this IE
	for the presence of activation times of all ciphered uplink
	RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RADIO BEARER RELEASE FAILURE message: AM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink RADIO BEARER RELEASE message.
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have	Not checked
succeeded	

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS) (3.84 Mcps TDD option)

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below.
	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Radio bearer downlink ciphering activation time	Not Present
info	
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI RRC State indicator	Not Present CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	0000 0004B
- RAB identity	0000 0001B
	The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	10
- PDCP info	Not Present
- CHOICE RLC info type - CHOICE Uplink RLC mode	RLC info TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	
Uplink transport channel type UL Transport channel identity	DCH 1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6 Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity - RB identity	Not Present
- PDCP info	Not Present
- CHOICE RLC info type	RLC info

Information Element	Value/remark
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Not Droppet
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
 Uplink transport channel type UL Transport channel identity 	DCH 2
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	0
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels - PRACH TFCS	Not Propert
- CHOICE mode	Not Present TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
- Allowed Transport Format combination	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	Troma
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
- Added or Reconfigured UL TrCH information	

Information Element	Value/remark
- Uplink transport channel type	DCH Value/Terriar K
- UL Transport channel identity	1
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	·
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information - Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval - Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
 Uplink transport channel type 	DCH
- UL Transport channel identity	2
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Deference to TCO4 400 places C 40 December Cot
- RLC Size - Number of TBs and TTI List	Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
- CHOICE Logical Channel list	ÀII
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute - CRC size	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	·
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
Number of Transport blocks Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	, · · · ·
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode DL Transport channel information common for all	TDD (no data)
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- CHOICE DL parameters	Same as UL
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	BOLL
- Downlink transport channel type	DCH
DL Transport channel identity CHOICE DL parameters	6 Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	1
1 3	1 *

Information Element	Value/remark
- DCH quality target	v alue/l ellial k
- BLER Quality value	-6.3
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
 Uplink transport channel type 	DCH
- UL TrCH identity	3
- DCH quality target	
- BLER Quality value	Not Present
Frequency info	
- UARFCN Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30dBm
CHOICE channel requirement	Uplink DPCH info
 Uplink DPCH power control info CHOICE mode 	TDD
	Reference to TS34.108 Parameter set.
- UL Target SIR- CHOICE UL OL PC info	
- CHOICE OF OF THIS	Individually signalled 3.84 Mcps
- Individual timeslot interference info	3.64 Micps
- DPCH Constant Value	
- CHOICE mode	TDD
- Uplink Timing Advance Control	Not Present
- UL CCTrCH List	THOU TOOSIN
- TFCS Id	1
- Time info	
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration	infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set.
- TFCI coding	Reference to TS34.108 clause 6 Parameter set.
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter set.
Donatition David	Deference to TC24 100 elevine 6 Decemptor not
Repetition PeriodRepetition Length	Reference to TS34.108 clause 6 Parameter set. Reference to TS34.108 clause 6 Parameter set.
- Uplink DPCH timeslots and code	Neierence to 1554. 100 clause o Farameter set.
- First individual timeslot info	
- Timeslot number	The number of an uplink timeslot that has unassigned
Timbolot Hambol	codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	3.84 Mcps
 Midamble allocation mode 	Default
 Midamble configuration burst type 1 	16
and 3	
- CHOICE TDD option	(no data)
 First timeslot channelisation codes 	Repeated (1,2) for each channelisation code assigned in
	the slot to meet the needs of TS34.108 clause 6
- Channelisation code	Parameter Set.
- Charmensation code	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6
	Parameter Set.
- CHOICE more timeslots	The presence of this IE depends upon the number of
OFFICIAL MOTE UNICORDIA	resources specified in TS34.108 section 6 and the
	number of slots in which they are being assigned.
Downlink information common for all radio links	and boiling doorgitud.
- Downlink DPCH info common for all RL	
- Timing indicat <u>i</u> o r n	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
•	

Information Element	Value/remark
- CHOICE mode	TDD
- TPC step size	1 dB
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps (no data)
- Default DPCH offset value	0
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	
- CHOICE TDD option	3.84 Mcps
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	100
- TFCS ID	1
- Time info	
	(256 - CEN (CEN mod 8 + 9))mod 256
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	Deference to TCC4 400
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- Individual timeslot info	T
- Timeslot number	The number of a downlink timeslot that has
TEOL : 1	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	0.0414
- CHOICE TDD option	3.84 Mcps
-CHOICE Burst Type	
-Type 1	D ()
-Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	
- First timeslot channelisation codes	
 First channelisation code 	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
 Last channelisation code 	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
0110105	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS) (1.28 Mcps TDD option)

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	
- message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If ciphering is indicated to be active, this
	IE present with the values of the sub IEs as stated below.
Olah salam asada samasan d	Else, this IE is omitted.
——————————————————————————————————————	Start/restart Use one of the supported ciphering algorithms
——————————————————————————————————————	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Radio bearer downlink ciphering activation time	Not Present
info	Not 1 1656/it
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Net Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Net Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
RAB information for setup	
	0000 0004P
- RAB identity	0000 0001B The first/ leftmest bit of the bit string contains the most
	significant bit of the RAB identity.
	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
RB information to setup	3001011
- RB identity	10
	Not Present
- CHOICE RLC info type	RLC info
	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
 Information for each multiplexing option RLC logical channel mapping indicator 	Not Present
- Number of uplink RLC logical channels	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	4
Downlink transport channel type	DCH
	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Net Present
- RB identity	11
- PDCP info	Not Present
	RLC info

Information Element	Value/remark
	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
	TM RLC
	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	2001
- Logical channel identity	∠ Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	4
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RI C
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
	FALSE
- RB mapping info	
- Information for each multiplexing option	N. B.
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	4
- Uplink transport channel type	DCH
- UL Transport channel identity	3
	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	4
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	Not i room.
channels	
	Not Droport
	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
——————————————————————————————————————	(This IE is repeated for TFC number.)
 - Allowed Transport Format combination 	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
	(This IE is repeated for TFC number.)
	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
55.52 TI 65 5/25	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
	1101111000111
CHOICE mode	l IDD
- Individual UL CCTrCH information	Not Present

Information Element	Value/remark
- Uplink transport channel type	DCH
- UL Transport channel identity	4
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6 Parameter Set
- CRC size	Reference to TS34.108 clause 6 Parameter Set
- Uplink transport channel type	DCH
- UL Transport channel identity	2
- TFS	De directed transport about alla
- CHOICE Transport channel type - Dynamic Transport format information	Dedicated transport channels
	Reference to TS34.108 clause 6 Parameter Set
- RLC Size - Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
	Reference to TS34.108 clause 6 Parameter Set
- Transmission Time Interval	Reference to TS34.108 clause 6 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	7411
- Transmission time interval	Reference to TS34.108 clause 6 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6 Parameter Set
——————————————————————————————————————	Reference to TS34.108 clause 6 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6 Parameter Set
- CRC size	Reference to TS34.108 clause 6 Parameter Set
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- TES	
	Dedicated transport channels
- Dynamic Transport format information	Boardated transport origination
- RI C Size	Reference to TS34.108 clause 6 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6 Parameter Set
- Transmission Time Interval	Reference to TS34.108 clause 6 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6 Parameter Set
- CRC size	Reference to TS34.108 clause 6 Parameter Set
CHOICE mode	TDD (no data)
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
	TDD
- CHOICE DL parameters	Same as UL
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	4

Information Element	Value/remark
——- DCH quality target	
	-6.3
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	_
- BLER Quality value	Not Present
Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
	DCH
	3
	ð
	N . B
- BLER Quality value	Not Present
Frequency info	
	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30dBm
-CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- UL Target SIR	Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	1.28 Mcps
- TPC step size	1 dB
- Primary CCPCH Tx Power	Not Present
- CHOICE mode	IDD
- Uplink Timing Advance Control	Not Present
- UL CCTrCH List	Hot Froom
- TECS Id	4
	+
	(OFC - OFN (OFN MOD O - O)/MOD OFC
	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration	infinite
- Common timeslot info	
- 2 nd -interleaving mode	Reference to TS34.108 clause 6 Parameter Set.
- TFCI coding	Reference to TS34.108 clause 6 Parameter set.
	Reference to TS34.108 clause 6 Parameter set.
- Repetition Period	Reference to TS34.108 clause 6 Parameter set.
	Reference to TS34.108 clause 6 Parameter set.
————————————————————————————————————	
- First individual timeslot info	The number of an uplink timeslot that has unassigned
	codes.
- Timeslot number	
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	1.28 Mcps
- Midamble allocation mode	Default
- Midamble configuration	16
- CHOICE TDD option	1.28 Mcps TDD
- Modulation	QPSK
- SS-TPC Symbols	4
	· ·
- First timeslot channelisation codes	Repeated (1,2) for each channelisation code assigned in
	the slot to meet the needs of TS34.108 clause 6
Observation (Control of	Parameter Set.
- Channelisation code	(i/SF) where i denotes an unassigned code matching the
	SF specified in TS34.108 clause 6 Parameter Set.
- CHOICE more timeslets	The presence of this IE depends upon the number of
	resources specified in TS34.108 section 6 and the
	number of slots in which they are being assigned.
CHOICE Mode	TDD
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain Maintain

Information Element	Value/remark
- Downlink DPCH power control information	
	TDD
- TPC step size	1-dB
	TDD
——————————————————————————————————————	1.28 Mcps
- TSTD indicator	TRUE
	0
- Downlink information for each radio link	TDD
	TDD
Primary CCPCH info	
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	TRUE
	0
- Block STTD indicator	FALSE
	TDD
- DL CCTrCH List	
	4
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslet info	
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	4
- Repetition length	+ Empty
- Downlink DPCH timeslots and codes	Empty
- Individual timeslot info	
marriada. milosiot imo	The consideration of a decomplicate the extraction
- Timeslot number	The number of a downlink timeslot that has
TEOL	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	1.28 Mcps
	Default
- Midamble configuration	16
- CHOICE TDD option	1.28 Mcps
	QPSK
	4
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
Simop	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
OHOIOL HI OIC timesiots	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)

(3.84 Mcps)	TDD option)
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Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
 Ciphering activation time for DPCH 	(256+CFN-(CFN MOD 8 + 8))MOD 256
 Radio bearer downlink ciphering activation time info 	Not Present
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present

Information Element	Value/remark
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
JRA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	
- RAB info	
- RAB identity	0000 0101B
	The first/ leftmost bit of the bit string contains the most
	significant bit of the RAB identity.
- CN domain identity	PS domain
 NAS Synchronization Indicator 	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	20
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
 Timer_poll_prohibit 	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
 Timer_poll_periodic 	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size 	128
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1 Not Droppet
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	8
- Downlink RLC logical channel info	4
- Number of downlink RLC logical channels	
- Downlink transport channel type	DCH
 DL DCH Transport channel identity DL DSCH Transport channel identity 	6 Not Present
Logical channel identity	Not Present Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
Logical channel identity	
- Logical channel identity - CHOICE RLC size list	7 Explicit List
- CHOICE RLC SIZE IIST - RLC SIZE Index	Explicit List Reference to TS34.108 clause 6 Parameter Set
- RLC size index - MAC logical channel priority	8
	U
 Downlink RLC logical channel info 	

Information Element	Value/remark
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels - PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
- CTFC information	Refer to TS34.108 clause 6 Parameter Set Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
 UL Transport channel identity 	1
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Defending to T004 400 along 0.40 December 0.4
- RLC Size - Number of TBs and TTI List	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval	(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode DL Transport channel information common for all	TDD (no data)
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS Id	1
- Shared Channel Indicator	FALSE
- CHOICE DL parameters	Independent
- DL DCH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	Troma
- CHOICE TFCS representation	Complete
- TFCS complete reconfigure	Complete
information	
- CHOICE CTFC Size	Refer to TS34.108 clause 6.
- OHOIOL OTTO SIZE	Note: 10 1007.100 Gause 0.

Information Element	Value/remark
- CTFC information	Refer to TS34.108 clause 6.
Added or Reconfigured TrCH information list	Training to 100 1.100 diaded 6.
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Explicit
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number)
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
 Number of TBs and TTI List 	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target	
- BLER Quality value	-6.3
Frequency info	
-CHOICE mode	TDD
- UARFCN (Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30 dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- UL Target SIR	Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	3.84 Mcps
 Individual timeslot interference 	
info	
 Individual timeslot interference 	
- DPCH Constant Value	Values are used for open loop power control,
	section 8 in TS 25.331
- CHOICE mode	TDD
3.1010L 111000	

Information Element	Value/remark
- Uplink Timing Advance Control	Not Present
- UL CCTrCH List	
- TFCS Id	1
- Time info	(050, 051) (051) 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration	Infinite
- Common timeslot info	D (
- 2 _{nd} interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
 First individual timeslot info Timeslot number 	The number of an unlink timeslet that has
- Timeslot number	The number of an uplink timeslot that has
TECL existence	unassigned codes. TRUE
- TFCI existence	IRUE
- Midamble shift and burst type	2.94 Mana
- CHOICE TDD option	3.84 Mcps
-CHOICE Burst Type	
-Type 1	Default
-Midamble Allocation Mode	As defined in 3GPP TS 25.221
- Midamble configuration burst type 1 and 3	A3 UCIIIICU III 30FF 13 23.221
- First timeslot channelisation codes	Repeated (1,2) for each channelisation code assigned in
- First timesiot chamilensation codes	the slot to meet the needs of TS34.108 clause 6
	Parameter Set.
- Channelisation code	(i/SF) where i denotes an unassigned code
- Charmensation code	matching the SF specified in TS34.108 clause
	6 Parameter Set.
- CHOICE more timeslots	The presence of this IE depends upon the
- Of IOIOE IIIIlesiots	number of resources specified in TS34.108
	section 6 and the number of slots in which they
	are being assigned.
Downlink information common for all radio links	are being accigned.
- Downlink DPCH info common for all RL	
- Timing indication	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	TDD
- CHOICE mode	TDD
- DL CCTrCH List	1
- TFCS ID	1
- Time info - Activation time	(256±CEN-(CEN mod 9 ± 9)\mod 256
- Activation time - Duration	(256+CFN-(CFN mod 8 + 8))mod 256 infinite
- Duration - Common timeslot info	IIIIIIIC
- 2 _{nd} interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	Linkth
- Individual timeslots and codes	
- Timeslot number	The number of a downlink timeslot that has
- Timesiot Humber	The number of a downlink unlested that has

Information Element	Value/remark
- TFCI existence	unassigned codes. TRUE
 Midamble shift and burst type CHOICE TDD option 	3.84 Mcps
-CHOICE Burst Type -Type 1	0.04 Micha
-Midamble Allocation Mode	Default
- Midamble configuration burst type 1 and 3	As defined in 3GPP TS 25.221
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS) (1.28 Mcps TDD option)

Information Element	Value/remark	
Message Type		
RRC transaction identifier		
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and	
g. a.a	writes to this IE. The first/ leftmost bit of the bit string	
	contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	The presence of this IE is dependent on IXIT statements	
	in TS 34.123-2. If ciphering is indicated to be active, this	
	IE present with the values of the sub IEs as stated below.	
	Else, this IE is omitted.	
- Ciphering mode command	Start/restart	
- Ciphering algorithm	Use one of the supported ciphering algorithms	
- Ciphering activation time for DPCH	(256+CFN-(CFN MOD 8 + 8))MOD 256	
- Radio bearer downlink ciphering activation time	Not Present	
info		
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
Signalling RB information to setup	Not Present	
RAB information for setup		
	0000 0101B	
·	The first/ leftmost bit of the bit string contains the most	
	significant bit of the RAB identity.	
	PS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup		
	20	
- PDCP info	Not Present	
	RLC info	
	AM RLC	
- Transmission RLC discard		
- SDU discard mode	Max DAT retransmissions	
- MAX_DAT	4	
- Timer_MRW	100	
- MaxMRW	4	
- Transmission window size	8	
	500	
- Max_RST	4	
	200	
	200	
	200 4	
Poll_SDU Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
	99	
	Not Present	
	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	8 8	
	•	
- Timer_status_prohibit	200	
- Timer_EPC	200	
- Missing PDU indicator	TRUE	
I Wildoning I Do indicator	INCE	

Information Element	Value/remark
- Timer STATUS periodic	Not Present
- RB mapping info	1
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	4
- Uplink transport channel type	DCH
- UL Transport channel identity	4
- Logical channel identity	Not Present
	Configured
	8
- Downlink RLC logical channel info	
	4
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6
	Not Present
	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	4
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	7
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	8
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	4
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7 Net Dresset
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels	Not Present
	TDD
	1 100
	(This IE is repeated for TFC number.)
	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
	(This IE is repeated for TFC number.)
- CHOICE TFCI signaling	Normal
	Homa
- TFCS complete reconfigure information	
- CHOICE TECS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	THE TOOM
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	4
— - TFS	
	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set

Information Element	Value/remark
- Coding Rate	Reference to TS34.108 clause 6 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6 Parameter Set
- CRC size	Reference to TS34.108 clause 6 Parameter Set
CHOICE mode	TDD (no data)
DL Transport channel information common for all	(no data)
transport channel	
	Not Present
	TDD
- Individual DL CCTrCH information	100
- DL TFCS Identity	
	4
- Shared Channel Indicator	FALSE
- CHOICE DL parameters	Independent
- DL DCH TFCS	(This IE is repeated for TFC number.)
	Normal
- TFCI Field 1 information	
- CHOICE TECS representation	Complete
- TFCS complete reconfigure information	Sompton and the second
- CHOICE CTEC Size	Refer to TS34.108 clause 6.
- CTFC information	Refer to TS34.108 clause 6.
Added or Reconfigured TrCH information list	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- Added or Reconfigured DL TrCH information	
Added of Recorniguist DE From Information	DCH
	501 6
- DL Transport channel identity	· ·
	Explicit
——————————————————————————————————————	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number)
	Reference to TS34.108 clause 6 Parameter Set
 Number of TBs and TTI List 	(This IE is repeated for TFI number.)
	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6 Parameter Set
- CHOICE Logical Channel list	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6 Parameter Set
	Reference to TS34.108 clause 6 Parameter Set
- DCH quality target	
	-6.3
Frequency info	0.0
	TDD
- UARFCN (Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30 dBm
-CHOICE channel requirement	Uplink DPCH info
Unlink DDCH nower control info	оринк отоп нио
- Uplink DPCH power control info	TDD
	TDD
- UL Target SIR	Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info	Individually signaled
	1.28 Mcps
- TPC step size	1 dB
	Not Present
- CHOICE mode	TDD

Information Element	Value/remark
- Uplink Timing Advance Control	Not Present
- TFCS Id	4
- Time info	
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration	Infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- First individual timeslot info	
- Timeslot number	The number of an uplink timeslot that has
	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	4 00 14
	1.28 Mcps
- Midamble allocation mode	Default
- Midamble configuration	16
- CHOICE TDD option	1.28 Mcps TDD
- Modulation	QPSK 4
- SS-TPC Symbols	Deposited (4.2) for each channelingtion and assigned in
- First timeslot channelisation codes	Repeated (1,2) for each channelisation code assigned in
	the slot to meet the needs of TS34.108 clause 6
	Parameter Set.
	(i/SF) where i denotes an unassigned code
	matching the SF specified in TS34.108 clause
	6 Parameter Set.
	The presence of this IE depends upon the
	number of resources specified in TS34.108
	section 6 and the number of slots in which they
December 1 in the control of the con	are being assigned.
Downlink information common for all radio links - Downlink DPCH info common for all RL	
	Maintain
- Timing indicator	The state of the s
- CFN-targetSFN frame offset	Not Present
	O (gingle)
	0 (single)
	1 dB
- TPC step size	· •
- CHOICE mode	TDD
- CHOICE TDD option - TSTD indicator	1.28 Mcps TRUE
- 1510 indicator - Default DPCH Offset Value	Not Present
Downlink information for each radio link list	IVUL FIUSUIII
- Downlink information for each radio link	
- Downlink information for each radio link - Choice mode	TDD
Choice mode - Primary CCPCH info	טטד
	TDD
00.02	1
	1.28 Mcps
- TSTD indicator	TRUE
	0 FALSE
- Block STTD Indicator - Downlink DPCH info for each RL	- ALJE
- Downlink DPGH Into for each RE - CHOICE mode	TDD
	1 00
- DL CCTrCH List	4
	4
- Time info	(050 · 05N · (05N · · · · · · · · · · · · · · · · · · ·
	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslet info	
- Common timeslot info - 2nd interleaving mode	Reference to TS34.108
- Common timeslot info - 2nd interleaving mode - TFCI coding	TRUE
- Common timeslot info - 2nd interleaving mode	

Information Element	Value/remark
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has
	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
	1.28 Mcps
	Default
- Midamble configuration	16
	1.28 Mcps TDD
	QPSK '
- SS-TPC Symbols	4
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
,	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
5.15.5253.53.53	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
	Not Present
-SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (1.28 Mcps TDD)

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6,	
	A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
		significant bit of the MAC-I.
 RRC message sequence number 		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
	<u>A7, A8</u>	
Activation time	<u>A4, A5, A6</u>	Now
New U-RNTI	<u>A1, A2, A3,</u>	Not Present
	<u>A4, A5, A6,</u>	
	<u>A7, A8</u>	
New C-RNTI	<u>A1, A2, A3,</u>	Not Present
	<u>A4, A7, A8</u>	
New C-RNTI	<u>A5, A6</u>	<u>'1010 1010 1010 1010'</u>
New DSCH-RNTI	A1, A2, A3,	Not Present

Information Element	Condition	Value/remark
	A4, A5, A6,	
N. H. BATTI	A7, A8	
New H-RNTI	A1, A2, A3, A4, A5, A6,	Not Present
	A7, A8	
RRC State indicator	A1, A2, A3,	CELL DCH
	A4, A7, A8	
RRC State indicator	A5, A6	<u>CELL_FACH</u>
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6,	Not Present
	A7, A8	
CN information info		Not Present
<u>URA identity</u>		Not Present
Signalling RB information to setup list RAB information for setup list	A1 A7	Not Present
- RAB info	<u>A1, A7</u>	
- RAB identity		
- CHOICE RAB identity type		RAB identity (GSM-MAP)
- RAB identity		0000 0001B
		The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT314
RB information to setup listRB information to setup		
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard		TM RLC Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
 - RB mapping info - Information for each multiplexing option 		
- RLC logical channel mapping indicator		Not Present
Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH DCH
- UL Transport channel identity		1 Net Bresset
Logical channel identityCHOICE RLC size list		Not Present Configured
- MAC logical channel priority		7
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1 000
 Downlink transport channel type DL DCH Transport channel identity 		DCH 6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
RAB information to setup list	<u>A2, A8</u>	
<u>- RAB info</u> - RAB identity		
- CHOICE RAB identity type		RAB identity (GSM-MAP)
- RAB identity		0000 0001B
		The first/ leftmost bit of the bit string contains
- CN domain identity		the most significant bit of the RAB identity. CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		<u>useT314</u>
- RB information to setup list		
- RB information to setup		10
- RB identity - PDCP info		10 Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC

Information Element	Condition	Value/remark
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
 Information for each multiplexing option 		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		$\left \frac{1}{2}\right $
- Uplink transport channel type		DCH
- UL Transport channel identity		Not Brosset
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		7
- Downlink RLC logical channel info		1
- Number of downlink RLC logical channels - Downlink transport channel type		1 DCH
- DCH Transport channel identity		6
- DL DSCH Transport channel identity - DL DSCH Transport channel identity		Not Present
- DE DSCH Transport channel identity - Logical channel identity		Not Present Not Present
- RB identity		11
- RB identity - PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		2
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		7
 Downlink RLC logical channel info 		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		<u>DCH</u>
- DL DCH Transport channel identity		7
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RB identity		1 <u>12</u>
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
- Information for each multiplexing option - RLC logical channel mapping indicator		Not Present
- RLC logical channel mapping indicator - Number of uplink RLC logical channels		Not Present
- Number of uplink RLC logical channels - Uplink transport channel type		1 DCH
- UL Transport channel identity		3
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		7
- Downlink RLC logical channel info		<u>-</u>
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		8
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
RAB information for setup list	A3, A4, A5,	
III	2.0,711,710,	ı

Information Element	Condition	<u>Value/remark</u>
	<u>A6</u>	
- RAB info		
- RAB identity		
- CHOICE RAB identity type		RAB identity (GSM-MAP)
- RAB identity		<u>0000 0101B</u>
		The first/ leftmost bit of the bit string contains
		the most significant bit of the RAB identity.
- CN domain identity		PS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		<u>useT315</u>
- RB information to setup list		
- RB information to setup		
- RB identity		<u>20</u>
- PDCP info		
- Support for lossless SRNS relocation		<u>FALSE</u>
- Max PDCP SN window size		Not present
- PDCP PDU header		Not present
 Header compression information 		Not present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		AM RLC
- Transmission RLC discard		
- CHOICE SDU Discard Mode		Max DAT retransmissions
- MAX_DAT		$\frac{4}{2}$
- Timer_MRW		100
- MaxMRW		$\frac{4}{100}$
- Transmission window size		128
- Timer_RST		<u>500</u>
- Max_RST		4
- Polling info		
- Timer_poll_prohibit		200
- Timer_poll		200
- Poll_PDU		Not Present
- Poll SDU		1
- Last transmission PDU poll		TRUE
- Last retransmission PDU poll		TRUE
- Poll_Windows		99
- Timer_poll_periodic		Not Present
- CHOICE Downlink RLC mode		AM RLC
- In-sequence delivery		TRUE
- Receiving window size		<u>128</u>
- Downlink RLC status info		200
- Timer status prohibit		200
- Timer EPC		200 TDUE
- Missing PDU indicator		TRUE Not Propert
- Timer STATUS periodic		Not Present
- RB mapping info - Information for each multiplexing option		2 PRMuyOntions
- RLC logical channel mapping indicator		2 RBMuxOptions Not Present
- Number of uplink RLC logical channels		Not Present 1
- Number of uplink REC logical channels - Uplink transport channel type		DCH
- UL Transport channel identity		1
- OL Transport channel identity - Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		
- Downlink RLC logical channel info		8
Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RLC logical channel mapping indicator		Not Present
- RLC logical channel mapping indicator - Number of uplink RLC logical channels		1
- Number of uplink RLC logical channels - Uplink transport channel type		RACH
- UL Transport channel identity		Not Present
- UL Transport channel identity - Logical channel identity		7
		
- CHOICE RLC size list	I	Explicit list

Information Florida	On a dition	Value francosts
Information Element	Condition	Value/remark
- RLC size index		Reference to TS34.108 clause 6 Parameter
MAC Is significant about a significant		Set
- MAC logical channel priority		<u>8</u>
- Downlink RLC logical channel info		
 Number of downlink RLC logical channels 		1 1
 Downlink transport channel type 		FACH
 - DL DCH Transport channel identity 		Not Present
 - DL DSCH Transport channel identity 		Not Present
 Logical channel identity 		<u>8</u>
RB information to be affected list	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	
Downlink counter synchronisation info	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	
UL Transport channel information for all transport	A1, A2, A3,	
channels	A4, A5, A6,	
	A7, A8	
- PRACH TFCS	7.1.7.10	Not Present
- CHOICE mode		TDD
- Individual UL CCTrCH information		<u> 188</u>
- UL TFCS Identity		
- TFCS ID		1
- Shared Channel Indicator		FALSE
- UL TFCS		IALOL
- CHOICE TFCI signalling		Normal
- TFCI Field 1 Information		Normal
		Commiste reconfiguration
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfiguration information		North and Elife and describe a second to a second
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from TS34.108
00.14		clause 6.11.5.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.11.5.4
		Parameter Set
<u>- CTFC</u>		Reference to TS34.108 clause 6.11.5.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
		Signalled Gain Factors)
- Reference TFC ID		<u>0 Integer(0 3)</u>
- CHOICE Gain Factors		Signalled Gain Factors(Not Present if the
		CHOICE Gain Factors is set to ComputedGain
		Factors)
- CHOICE mode		TDD
- Gain Factor β_d		<u>15</u>
- Reference TFC ID		0 Integer(0 3)
- CHOICE mode		TDD
- TFC subset		
- CHOICE Subset representation		Full transport format combination set
- TFC subset list		Not Present
Deleted TrCH information list	A1, A2, A3,	Not Present
2 State Troff information not	A4, A5, A6,	
	A7, A8	
Added or Reconfigured UL TrCH information	A1, A3 A4,	1 DCH added, 1 DCH reconfigured
A SECTION AND A	A5, A6, A7	
- Added or Reconfigured UL TrCH information	1.0, 7.0, 7.1	
- Uplink transport channel type		<u>DCH</u>
- UL Transport channel identity		<u>5</u>
- TFS		<u> ~</u>
- CHOICE Transport channel type		Dedicated transport channels
- Onotice Transport Channel type - Dynamic Transport format information		Dedicated transport Charmers
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
- INEC 5126		
Number of TDs and TTLL ist	1 to may TE	Set
- Number of TBs and TTI List	1 to maxTF	(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present

Information Element	Condition	Value/remark
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information - Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
- Hansinission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		Set Tool 4 400 I Tool 4 400 I
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
- CRC size		Reference to TS34.108 clause 6.11 Parameter
Unlink transport channel type		Set DCH
 - Uplink transport channel type - UL Transport channel identity 		1
<u>- TFS</u>		_
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Defense of the TOO A 400 eleves 0.44 Demonstration
- RLC Size		Reference to TS34.108 clause 6.11 Parameter Set
- Number of TBs and TTI List	1 to maxTF	(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
- CHOICE Logical Channel list		Set All
- Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.11 Parameter
- Odding Itale		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
000 :		Set Tool 100 I to 110 I
- CRC size		Reference to TS34.108 clause 6.11 Parameter Set
Added or Reconfigured TrCH information list	A2. A8	4 TrCHs(DCH for DCCH and 3DCHs for
		DTCH)
- Added or Reconfigured UL TrCH information		
 Uplink transport channel type UL Transport channel identity 		DCH E
- TFS		<u>5</u>
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
- Number of TBs and TTI List	1 to maxTF	Set (This IE is repeated for TF number.)
- Transmission Time Interval	1 to maxii	Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
CHOICE Lastical Observability		Set
- CHOICE Logical Channel list - Semi-static Transport Format information		<u>All</u>
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
Coding Data		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
- Uplink transport channel type		Set DCH
- UL Transport channel identity		<u>1</u>
- TFS		_

Information Element - CHOICE Transport channel type - Dynamic Transport format information	Condition	Value/remark Dedicated transport channels
- Dynamic Transport format information		L DEGUGGER HALISTON CHANNES
		2 0 3.1 34 04 11 41 10 10 10 10 10 10 10 10 10 10 10 10 10
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		Set
- Number of TBs and TTI List	1 to maxTF	(This IE is repeated for TF number.)
- Transmission Time Interval - Number of Transport blocks		Not Present Peterspace to TS34 109 clause 6 11 Peremeter
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
Coding Rate		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
Trato matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set
 Uplink transport channel type 		DCH
- UL Transport channel identity		2
- TFS		Dadicated transport channels
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
- KEO OIZE		Set
- Number of TBs and TTI List	1 to maxTF	(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
- CHOICE Logical Channel list		<u>All</u>
- Semi-static Transport Format information		Deference to TS24 400 eleves C 44 December
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
		Set
 Rate matching attribute 		Reference to TS34.108 clause 6.11 Parameter
000 :		<u>Set</u>
- CRC size		Reference to TS34.108 clause 6.11 Parameter
- Uplink transport channel type		Set DCH
- UL Transport channel identity		<u>3</u>
- TFS		=
- CHOICE Transport channel type		Dedicated transport channels
 Dynamic Transport format information 		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
Novel on of TD	4.5	Set
- Number of TBs and TTI List - Transmission Time Interval	1 to maxTF	(This IE is repeated for TF number.) Not Present
- Transmission Time Interval - Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
Transport blooks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
Towns of shore 1 1 12		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.11 Parameter
- Couling Itale		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set

Information Element	Condition	Value/remark
CHOICE mode		TDD (no data)
DL Transport channel information common for all	A1, A2, A7,	
transport channel	<u>A8</u>	
- SCCPCH TFCS		Not Present
- CHOICE mode		<u>TDD</u>
- Individual DL CCTrCH information		
- DL TFCS Identity		
- TFCS ID - Shared Channel Indicator		2 FALSE
- CHOICE DL parameters		SameAsUL
- UL DCH TFCS Identity		SameASUL
- TFCS ID		1
- Shared Channel Indicator		FALSE
DL Transport channel information common for all	A3, A4, A5,	
transport channel	<u>A6</u>	
- SCCPCH TFCS		Not Present
- CHOICE mode		<u>TDD</u>
- Individual DL CCTrCH information		
- DL TFCS Identity		
- TFCS ID - Shared Channel Indicator		2 FALSE
- CHOICE DL parameters		Independent
- DL TFCS		<u>macpenaem</u>
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
 TFCS complete reconfiguration information 		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause
CTEC information		TS34.108 clause 6.11.5.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4
- CTFC		Reference to TS34.108 clause 6.11.5.4
		Parameter Set
- Power offset information		Not Present
Deleted TrCH information list	A1, A2, A3,	Not Present
	A4, A5, A6,	
	<u>A7, A8</u>	
Added or Reconfigured TrCH information list	<u>A1</u>	1 DCH added, 1 DCH reconfigured
- Added or Reconfigured DL TrCH information		BOLL
- Downlink transport channel type		DCH
- DL Transport channel identity - CHOICE DL parameters		10 Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		<u>5</u>
- DCH quality target		=
- BLER Quality value		-2.0 Real(-6.30 by step of 0.1)
- Transparent mode signalling info		Not Present
 Downlink transport channel type 		DCH
- DL Transport channel identity		<u>6</u>
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity - DCH quality target		1
- BLER Quality value		-2.0 Real(-6.30 by step of 0.1)
- Transparent mode signalling info		Not Present
Added or Reconfigured TrCH information list	A3, A4, A5,	2 TrCHs(DCH for DCCH and DCH for DTCH)
<u> </u>	A6, A7	
- Added or Reconfigured DL TrCH information		
- Downlink transport channel type		<u>DCH</u>
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		<u>5</u>
DCH quality target		

Information Element	Condition	Value/remark
- BLER Quality value	Condition	-2.0 Real(-6.30 by step of 0.1)
- BLER Quality value - Transparent mode signalling info		Not Present
- Transparent mode signalling into - Downlink transport channel type		
		DCH
- DL Transport channel identity		<u>6</u>
- CHOICE DL parameters		<u>Explicit</u>
- TFS		
- CHOICE Transport channel type		<u>Dedicated transport channels</u>
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
 Number of TBs and TTI List 		(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
 Semi-static Transport Format information 		
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
- Nate matering attribute		Set
CPC size		
- CRC size		Reference to TS34.108 clause 6.11 Parameter
DCU quality target		<u>Set</u>
- DCH quality target		2.0
- BLER Quality value		- <u>2.0</u>
Transparent mode signalling info		Not Present
Added or Reconfigured TrCH information list	<u>A2, A8</u>	4 TrCHs(DCH for DCCH and 3DCHs for
		DTCH)
 Added or Reconfigured DL TrCH information 		
- Downlink transport channel type		<u>DCH</u>
- DL Transport channel identity		<u>10</u>
- CHOICE DL parameters		Same as UL
 Uplink transport channel type 		<u>DCH</u>
- UL TrCH identity		<u>5</u>
- DCH quality target		
- BLER Quality value		-2.0 Real(-6.30 by step of 0.1)
- Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		======================================
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic transport format information		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
- Number of Transport blocks		
Comi atatia Transport Format information		Set
- Semi-static Transport Format information		Deference to TOO4 400 slaves 0.44 D
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
Time of showed as their		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
On the Det		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
5		<u>Set</u>
 Rate matching attribute 		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
DCH quality target		
- BLER Quality value		<u>-2.0</u>
- Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
	İ	· ——

Information Element	Condition	Value/remark
- DL Transport channel identity	<u>Jonailion</u>	7
- CHOICE DL parameters		Explicit
- TFS		LADIIOIL
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic transport format information		<u>Bodioatoa tranoport oriannoio</u>
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		Set
- Semi-static Transport Format information		30.
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
Transmission and market		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
Coung rate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set
- DCH quality target		<u> </u>
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		8
- CHOICE DL parameters		Explicit
- TFS		Explicit
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic transport format information		Dedicated transport charmers
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
TREO GIZE		Set
- Number of TBs and TTI List		(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		Set
- Semi-static Transport Format information		<u> </u>
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
Transmission and merval		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
Type of charmer coding		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set
- DCH quality target		
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
Frequency info	A1, A2, A3,	
	A4, A5, A7,	
	A8	
- Choice mode		TDD
- UARFCN (Nt)		Reference to clause 5.1 Test frequencies
Frequency info	A6	Not Present
Maximum allowed UL TX power	A1, A2, A3,	33dBm
MAXIMUM GIOWGG OF TX DOWG	A1, A2, A3, A4, A7, A8	<u>oodbiii</u>
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
Unlink DDCU nover control info	<u>A4, A7, A8</u>	
 Uplink DPCH power control info CHOICE mode 		TDD
- CHUICE mode	ĺ	TDD

Information Element	Condition	Value/remark
- CHOICE TDD option		1.28 Mcps TDD
- PRXPDPCHdes		Integer (-12058 by step of 1)
- CHOICE UL OL PC info		mitagar (120 do by atop or 1)
- Broadcast UL OL PC info		Null
- Uplink Timing Advance Control		Not Present
		Not Flesent
- UL CCTrCH List		4
- TFCS ID		1
- UL Target SIR		Real (-11 20 by step of 0.5dB)
		Reference to TS34.108 Parameter set.
Time info		
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
<u>- Duration</u>		<u>Infinite</u>
- Common timeslot info		
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
		set
- Puncturing limit		Reference to TS34.108 clause 6 Parameter
		set
- Repetition period		1
- Repetition length		
- Uplink DPCH timeslots and code		
- Dynamic SF usage		FALSE
- First individual timeslot info		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		1 OR 2 OR 3
- TFCI existence		TRUE
- Midamble shift and burst type		
- CHOICE TDD option		1.28 Mcps TDD
 Midamble allocation mode 		Default midamble
- Midamble configuration		<u>16</u>
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
Modulation		QPSK
- SS-TPC Symbols		1
- Additional TPC-SS Symbols		Not present
- First timeslot Code List		Repeated (1,2) for each channelisation code
The timeset seas Elec		assigned in the slot to meet the needs
		of TS34.108 clause 6 Parameter Set.
- channelisation codes		(SF/ i) where i denotes an unassigned code
		matching the SF specified in TS34.108
		clause 6 Parameter Set.
- CHOICE more timeslots		No more timeslots
- UL CCTrCH List to Remove		Not present
CHOICE Mode	A1, A2, A3,	TDD
	A4, A5, A6,	
	A7, A8	
Downlink HS-PDSCH Information	A1, A2, A3,	Not Present
	A4, A5, A6,	
	A7, A8	
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		
- Timing indication		<u>Maintain</u>
- CFN-targetSFN frame offset	1	Not Present
 Downlink DPCH power control information 		
- CHOICE mode		TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode		TDD 4.00 Mars TDD
- CHOICE TDD option		1.28 Mcps TDD

Information Element	Condition	Value/remark
- TSTD indicator	<u>Jonation</u>	FALSE
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4, A7, A8	
- Downlink DPCH info common for all RL		
- Timing indication		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		TDD
- CHOICE mode - TPC Step Size		TDD 1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Default DPCH Offset Value		
- CHOICE mode		TDD
 Default DPCH Offset Value 		<u>0 Integer(07)</u>
Downlink information per radio link list	A1, A2, A3,	
Described information for each of P. P. I.	<u>A4, A7, A8</u>	
- Downlink information for each radio link		TDD
- Choice mode - Primary CCPCH info		TDD
- Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Cell parameters ID		Ref. to the Default setting in TS34.108 clause
		6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		
- CHOICE mode		TDD
- DL CCTrCh List		
- TFCS ID		2 Integer(1.8)
- Time info - Activation time		Now
- Duration		Infinite
- Common timeslot info		innine.
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
		set
- Puncturing limit		Reference to TS34.108 clause 6 Parameter
		set
- Repetition period		<u>1</u>
- Repetition length		<u>NULL</u>
 Downlink DPCH timeslots and codes 		
 First individual timeslot info 		
Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		4 OR 5 OR 6
- TFCI existence		TRUE
- Midamble shift and burst type		
- CHOICE TDD option		1.28 Mcps TDD
- Midamble allocation mode		Default midamble
- Midamble configuration		<u>16</u>
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		<u>QPSK</u>
- SS-TPC Symbols		1
- Additional TPC-SS Sysbols		Not present
- First timeslot channelisation codes		Repeated (1,2) for each channelisation code
		assigned in the slot to meet the needs
		of TS34.108 clause 6 Parameter Set.
 CHOICE codes representation 		
 Channelisation codes bitmap 		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>

Information Element	Condition	Value/remark
- CHOICE more timeslots		No more timeslots
- UL CCTrCH TPC List		This list is not required for 1.28 Mcps TDD and
		is to be ignored by the UE.
- UL TPC TFCS Identity		
- TFCS ID		<u>1</u>
 Shared Channel Indicator 		<u>FALSE</u>
- DL CCTrCH List to Remove		Not present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A5</u>	
- Downlink information for each radio link		
- Choice mode		TDD
- Primary CCPCH info		TDD
- Choice mode		TDD
- Choice TDD Option - TSTD indicator		1.28 Mcps TDD FALSE
- Cell parameters ID		Ref. to the Default setting in TS34.108 clause
- Celi parameters ib		6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	A6	Not Present

Condition	<u>Explanation</u>
<u>A1</u>	This IE need for "Non speech to CELL DCH from CELL DCH in CS"
<u>A2</u>	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
<u>A3</u>	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
<u>A4</u>	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
<u>A5</u>	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
<u>A6</u>	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A2 A3 A4 A5 A6 A7 A8	This IE need for "Non speech to CELL_DCH from CELL_FACH in CS"
<u>A8</u>	This IE need for "Speech to CELL_DCH from CELL_FACH in CS"

Contents of RADIO BEARER SETUP COMPLETE message: AM

Message Type	
1 0 71	Observed to any if the value is identical to the serve IF in
RRC transaction identifier	Checked to see if the value is identical to the same IE in
	the downlink RADIO BEARER SETUP message.
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used
	by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
CHOICE mode	TDD
	1
START	Not checked
COUNT-C activation time	The presence of this IE depends on the following 2
	factors: (a) There exists RB(s) mapped to RLC-TM and
	(b) UE is transiting to CELL_DCH state after the RB
	establishment procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER SETUP
	message, this IE must be absent. Else, SS checks this IE
	for the presence of activation times of all ciphered uplink
	RLC-UM and RLC-AM RBs.
Link acceptant association info	
Uplink counter synchronisation info	Not checked

Contents of RADIO BEARER SETUP FAILURE message: AM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink PHYSICAL CHANNEL
	RECONFIGURATION message.
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have	Not Check
<u>succeeded</u>	

			CH	IANGE	EREC	UE	ST				CR-Form-v7
# TS	34.10)8	CR 25	5	≋rev	1	Ж	Current ver	sion:	4.8.0	¥
For <u>HELP</u> or	using	this foi	rm, see bo	ttom of thi	is page or	look	at the	e pop-up tex	t ovei	r the	mbols.
Proposed chang	e affec	ets:	UICC app	3 %	ME	(Rad	dio A	ccess Netwo	ork	Core No	etwork
Title:			.108 Rel-4 for TDD	: Addition	of RRC c	onnec	ction	setup and re	ejectio	n default i	message
Source:	₩ <mark>CA</mark>	TT/CC	SA								
Work item code:	₩ TE	I						Date: 3	€ 23	/10/2003	
Category:	Deta	F (cor A (cor B (add C (fun D (edi ailed ex	rection) responds t dition of fea actional modi itorial modii	dification of ication) of the above	on in an ea feature)		elease	2	of the for (GSI (Rela (Rela (Rela (Rela (Rela (Rela	el-4 ollowing rel M Phase 2) ease 1996) ease 1997) ease 1999) ease 4) ease 5) ease 6)	
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Neason for char	ye. •	2. T	re include DD defaul	d for testin	g UE prop contents	perly.		ONNECTIO			
Summary of cha	nge: ೫			owing new r LCR TDI					RC cc	nnection	setup
			CONNEC	TION REJI TION SET		ge: UN	I (Tra	ansition to CI	ELL_F	ACH) (1.	28 Mcps
			.2, the foll odified:	owing defa	ault mess	age c	onter	nts in RRC o	onnec	ction setup	need to
			CONNECTOD)	CTION SE	TUP mes	sage:	UM	(Transition t	o CEL	L_DCH)	(1.28
Consequences in not approved:	* *	If the	ose messa	ge conten	ts are not	defin	ed, L	JE might not	t be te	sted prop	erly.
Clauses affected	: ¥	9.1.2	2								
Other specs	¥	Y N	Other co	re specific	ations	x					

affected:	X Test specifications O&M Specifications	
Other comments:	x	

How to create CRs using this form:

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

- 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 ftp://ftp.3gpp.org/specs/ 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of RRC CONNECTION REJECT message: UM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Initial UE identity	Select the same type as in the IE "Initial UE Identity" in
	RRC CONNECTION REQUEST" message.
Rejection cause	Unspecified
Wait Time	<u>0</u>
Redirection info	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH) (1.28 Mcps TDD)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE
	Identity" in received RRC CONNECTION
	REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	, ,
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9 <u>, Integer(39)</u>
Capability update requirement	Not Present
- UE radio access FDD capability update requirement	FALSE
- UE radio access 3.84 Mcps TDD capability update	FALSE
requirement	
- UE radio access 1.28 Mcps TDD capability update	TRUE
requirement	INOL
	Gsm Not Present
- System specific capability update requirement list	
CHOICE specification mode	Complete specification
- Signalling RB information to setup list	
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present_1
- CHOICE RLC info type	RLC info
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
 MAC logical channel priority 	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH

Information Element	Value/remark
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
	According to TS34.108 clause 6 for standalone
	13.6 kbps signalling radio bearer
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	1
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present 2
- CHOICE RLC info type	RLC info
- RLC info	INCO WIND
CHOICE Uplink RLC mode	AM RLC
Transmission RLC discard	AWINEO
CHOICE SDU discard mode	No Discard
- MAX_DAT	15
MAX_DAT Transmission window size	128
	1 1-4
Timer_RST	500
Max_RST	1
Polling info	000
Timer_poll_prohibit	200
Timer_poll	200
Poll_PDU	Not present
Poll_SDU	1
Last transmission PDU poll	TRUE
Last retransmission PDU poll	TRUE
Poll_Window	99
Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
 Missing PDU indicator 	TRUE
 Timer_STATUS_periodic 	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
 MAC logical channel priority 	2
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	10
- Transport channel identity	<u>10</u>
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
	1
- Number of RLC logical channels	RACH
Number of RLC logical channels Unlink transport channel type	IRAUD
- Uplink transport channel type	
Uplink transport channel typeUL Transport channel identity	Not Present
 Uplink transport channel type UL Transport channel identity Logical channel identity 	Not Present 2
 Uplink transport channel type UL Transport channel identity Logical channel identity CHOICE RLC size list 	Not Present 2 Explicit List
 Uplink transport channel type UL Transport channel identity Logical channel identity 	Not Present 2

Information Element	Value/remark
- MAC logical channel priority	2
- Downlink RLC logical channel info	-
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	2
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present 3
- CHOICE RLC info type	
- CHOICE REC IIIIO type	RLC info
	AMPLO
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	No Disposed
- CHOICE SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
	1
- Poll_SDU	
 Last transmission PDU poll 	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	1 0
- Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
TILO SIZO IIIGGA	According to TS34.108 clause 6 for standalone
	13.6 kbps signalling radio bearer
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Number of REC logical channels - Downlink transport channel type	FACH
- Downlink transport charmer type	171011

Information Element	Value/remark
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present 4
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- <u>CHOICE</u> SDU discard mode	No discard
MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info - Timer_poll_prohibit	200
- Timer_poll_profilibit	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 DDM: WOrtions
Information for each multiplexing option RLC logical channel mapping indicator	2 RBMuxOptions Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
- Transport channel identity	<u>10</u>
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	4 Not Present
 RLC logical channel mapping indicator Number of RLC logical channels 	Not Present
- Number of RLC logical channels - Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
	According to TS34.108 clause 6 for standalone
	13.6 kbps signalling radio bearer
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
 Downlink transport channel type 	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	4
<u>-</u> UL Transport channel information for all transport channels	

Information Element	Value/remark
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
UL TFCS Identity	
TFCS ID	1
- Shared Channel Indicator	FALSE
- UL TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 Information	Normal
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
CHOICE CTFC Size	Configured, Number of bits used must be
	enough to cover all combinations of CTFC from
	TS34.108 clause 6.11.5.4 Parameter Set.
- CTFC information	This IE is repeated for TFC numbers and
- CTT C IIIIOTTIALIOTI	reference to TS34.108 clause 6.11.5.4
	Parameter Set
<u>- CTFC</u>	Reference to TS34.108 clause 6.11.5.4
	Parameter Set
- Power offset Information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to
	Signalled Gain Factors)
Poforance TEC ID	0, Integer(0 3)
- Reference TFC ID - CHOICE Gain Factors	
- CHOICE Gain Factors	Signalled Gain Factors(Not Present if the
	CHOICE Gain Factors is set to ComputedGain
	Factors)
- CHOICE mode	<u>TDD</u>
- Gain Factor β_d	15
- Reference TFC ID	0, Integer (03)
- CHOICE mode	
	TDD
- TFC subset	Default value is the complete existing set of
	transport format combinations
- CHOICE Subset representation	Allowed transport format combination list
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
Allowed Transport Format combination	
	TS34.108 clause 6 Parameter Set.)
- Transport format combination	<u>Integer (0 1023)</u>
- TFC subset list	Not present
	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
	Number of coord hite words he are contact and
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
	Not Present
	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
=	THOST TOOCHE
- Added or Reconfigured UL TrCH information list	
Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6.11 Parameter
- KLO SIZE	
, , , , , , , , , , , , , , , , , , ,	Set
- Number of TBs and TTI List	(This IE is repeated for TF number.)
CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6 for standalone
	13.6 kbps signalling radio bearer
	Not Present
Number of Transport blocks	
- Number of Transport blocks	Reference to TS34.108 clause 6.11 Parameter
01101051	Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	

Γ	Information Element	Value/remark
ıŀ	- Transmission time interval	Reference to TS34.108 clause 6.11 Parameter
	Transmission time interval	Set
	- Type of channel coding	Reference to TS34.108 clause 6.11 Parameter Set
	- Coding Rate	Reference to TS34.108 clause 6.11 Parameter Set
	- Rate matching attribute	Reference to TS34.108 clause 6.11 Parameter Set
!	- CRC size	Reference to TS34.108 clause 6.11 Parameter Set
	- DL Transport channel information common for all transport channel	
•	- SCCPCH TFCS	Not Present
	- CHOICE mode	TDD
	-Individual DL CCTrCH information	
	- DL TFCS Identity	
.	- TFCS ID	1
	- Shared Channel Indicator	FALSE
,	- CHOICE DL parameters	Same as UL
	Added or Reconfigured TrCH information list	
l	Added or Reconfigured DL TrCH information	DCH
	 Downlink transport channel type DL Transport channel identity 	DCH 10
ıl	- DL Transport channel identity CHOICE DL parameters	Same as UL
	Uplink transport channel type	DCH
	UL Transport channel identity	5
	-DCH quality target	Ĭ
	- BLER Quality target	-6.3
	Frequency info	Not Present
ļj	Maximum allowed UL TX power	Not Present-33dBm
	CHOICE channel requirement	Uplink DPCH info
	- Uplink DPCH power control info	
,	- CHOICE mode	TDD
	- CHOICE TDD option	1.28 Mcps TDD
! !	- PRX _{PDPCHdes}	Reference to TS34.108 <u>clause 6.11</u> Parameter set
		TDD
	— CHOICE UL OL PC info	Individually signalled
	CHOICE TDD option	1.28 Mcps TDD Not Present 1 dB
	 - TPC step size Primary CCPCH Tx Power 	Not Present
	- CHOICE mode	TDD
	- Uplink Timing Advance Control	100
	- CHOICE Timing Advance	Enabled
	- CHOICE TDD option	1.28 Mcps TDD
	- Uplink synchronisation parameters	·
	- Uplink synchronisation step size	<u>1</u>
	- Uplink synchronisation frequency	$\begin{bmatrix} \frac{1}{1} \end{bmatrix}$
	- Synchronisation parameters	Not present
	- UL CCTrCH List	
	- TFCS ID	<u>1</u>
	- UL Target SIR	Real (-11 20 by step of 0.5dB)
		Reference to TS34.108 clause 6.11 Parameter
		<u>set.</u>
	Time info	
	- Activation time	now
	- Duration	Infinite
$ \ $	Common timeslot info	
.	- 2 nd interleaving mode	Frame
	- TFCI coding	Reference to TS34.108 clause 6 <u>.11</u> Parameter set
	- Puncturing limit	Reference to TS34.108 clause 6.11 Parameter set
	- Repetition period	Reference to TS34.108 clause 6 Parameter set1
	- Repetition length	Reference to TS34.108 clause 6 Parameter set
		<u>null</u>

Information Element	Value/remark
- Uplink DPCH timeslots and code	value/i cilidi k
- Dynamic SF usage	FALSE
- First individual timeslot info	FALSE
- Timeslot number	A COLUMN TRR
- CHOICE TDD option	1.28 Mcps TDD
- Timeslot number	1 OR 2 OR 3
<u>- TFCI existence</u>	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD
- Midamble allocation mode	Default midamble
- Midamble configuration	16
- Midamble Shift	Not Present
- CHOICE TDD option	1.28 Mcps TDD
- Modulation	QPSK
- SS-TPC Symbols	1
The state of the s	
- Additional TPC-SS Sysbols	Not present
- First timeslot Code List	Repeated (1,2) for each channelisation code
	assigned in the slot to meet the needs of
channelisation codes	TS34.108 clause 6 Parameter Set. (SF/ i) where i denotes an unassigned code
- channelisation codes	matching the SF specified in TS34.108 clause 6
	Parameter Set.
- CHOICE more timeslots	No more timeslots
	Not present
- UL CCTrCH List to Remove - CPCH SET Info	
Downlink information common for all radio links	(no data)
- Downlink DPCH info common for all RL	
- Timing indication	Initialize
- CFN-targetSFN frame offset	Not Present
Downlink DPCH power control information	Not resent
- CHOICE mode	TDD
DPC mode TPC Step Size	0 (single) 1 dB
- MAC-d HFN initial value	Not Present
- CHOICE mode	TDD (no data)
- CHOICE mode	TDD (Ino data)
- CHOICE TIDD option	1.28 Mcps TDD
- TSTD indicator	FALSE
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	Not i room
- Downlink information for each radio link	
- Choice mode	TDD
Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- TSTD indicator	FALSE
- TSTD Indicator - CHOICE SyncCase	Sync Case 1
	PCCPCH timeslot
- Cell parameters ID	9 Not Present
- SCTD indicator	FALSE
- Downlink DPCH info for each RL	TALOL
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	·
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	Infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108 clause 6.11 Parameter
	set
TFCI coding	TRUE -Reference to TS34.108 clause 6.11
	Parameter set
- Puncturing limit	Reference to TS34.108 clause 6.11 Parameter
	set
- Repetition period	1
- Repetition length	NULLEmpty

Information Element	Value/remark
- Downlink DPCH timeslots and codes	
 First Individual timeslot info 	
- Timeslot number	
- CHOICE TDD option	1.28 Mcps TDD
- Timeslot number	<u>4</u> OR <u>5</u> OR <u>6</u>
- TFCI existence	True
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD
-Type 1	
- Midamble Allocation Mode	Default
- Midamble configuration	16 Integer(2, 4, 6, 8, 10, 12, 14, 16)
- Midamble Shift	Not present
- CHOICE TDD option	1.28 Mcps TDD
- Modulation	OPSK
- SS-TPC Symbols	1
- Additional TPC-SS Symbols	Not present
- First timeslot channelisation codes	
- CHOICE codes representation	Consecutive codes
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
0.1010=	that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	The requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
- UL CCTrCH TPC List	Have been assigned in the first timeslot
- UL TPC TFCS Identity	1
- DL CCTrCH List to Remove	Not present
- SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH) (1.28 Mcps TDD)

Information Element	<u>Value/remark</u>
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE
	Identity" in received RRC CONNECTION
	REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9 , Integer(39)
Capability update requirement	
 UE radio access FDD capability update requirement 	<u>FALSE</u>
 UE radio access 3.84 Mcps TDD capability update 	<u>FALSE</u>
requirement	
 UE radio access 1.28 Mcps TDD capability update 	TRUE
requirement	
 System specific capability update requirement list 	Not Present
CHOICE specification mode	Complete specification
 Signalling RB information to setup list 	
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	1
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	<u>UM RLC</u>
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	<u>UM RLC</u>

Information Element	Value/remark
- RB mapping info	
- Information for each multiplexing option	1 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	<u>RACH</u>
 - UL Transport channel identity 	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels - Downlink transport channel type	1 FACH
- DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	1
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	2
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- CHOICE SDU discard mode	No Discard
- MAX_DAT	<u>15</u>
- Transmission window size	<u>128</u>
- Timer RST	<u>500</u>
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll SDU	1 TDUE
- Last transmission PDU poll - Last retransmission PDU poll	TRUE TRUE
- Poll Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer status prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	1 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH Not Present
- UL Transport channel identity	Not Present
- Logical channel identity - CHOICE RLC size list	2 Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	2
- Downlink RLC logical channel info	=
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	<u>2</u>
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	<u>3</u>
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	N. Br.
- CHOICE SDU discard mode	No Discard

Information Element	Value/remark
- MAX_DAT	<u>value/remark</u> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	$\frac{1}{1}$
- Polling info	
- Timer_poll_prohibit	<u>200</u>
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	
- Last transmission PDU poll - Last retransmission PDU poll	TRUE TRUE
- Poll Window	99
- Timer poll periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer status prohibit	<u>200</u>
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer STATUS periodic	Not Present
- RB mapping info	1 PPMuyOntions
 Information for each multiplexing option RLC logical channel mapping indicator 	1 RBMuxOptions Not Present
- RLC logical channel mapping indicator - Number of RLC logical channels	Not Present 1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	<u>3</u>
- Downlink RLC logical channel info	
- Number of RLC logical channels	$\frac{1}{5}$
- Downlink transport channel type	FACH Not Present
- DL DCH Transport channel identity - DL DSCH Transport channel identity	Not Present Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	4
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- CHOICE SDU discard mode	No discard
- MAX DAT	<u>15</u>
- Transmission window size	1 <u>28</u> 500
- Timer_RST - Max_RST	<u>500</u> <u>1</u>
- Polling info	<u> </u>
- Timer poll prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll Window	<u>99</u>
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode - In-sequence delivery	AM RLC TRUE
- Receiving window size	128
- Neceiving window size - Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	1 RBMuxOptions

Information Element	<u>Value/remark</u>
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	$\frac{4}{5}$
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority - Downlink RLC logical channel info	4
- Number of RLC logical channels	1
- Downlink transport channel type	<u>1</u> FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- DL HS-DSCH MAC-d flow identity	Not Present
- Logical channel identity	4
- UL Transport channel information for all transport channels	<u>-</u>
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	<u></u>
- UL TFCS Identity	
- TFCS ID	1
- Shared Channel Indicator	<u>FALSE</u>
- UL TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 Information	
- CHOICE TFCS representation	Complete reconfiguration
 TFCS complete reconfiguration information 	
- CHOICE CTFC Size	Configured, Number of bits used must be
	enough to cover all combinations of CTFC from
	TS34.108 clause 6.11.5.4 Parameter Set.
- CTFC information	This IE is repeated for TFC numbers and
	reference to TS34.108 clause 6.11.5.4
OTEO	Parameter Set
<u>- CTFC</u>	Reference to TS34.108 clause 6.11.5.4
Dower offset Information	Parameter Set
- Power offset Information - CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to
- CHOICE Gain Factors	Signalled Gain Factors)
- Reference TFC ID	0, Integer(0 3)
- CHOICE Gain Factors	Signalled Gain Factors(Not Present if the
	CHOICE Gain Factors is set to ComputedGain
	Factors)
- CHOICE mode	TDD
- Gain Factor d	15
- Reference TFC ID	0, Integer (03)
- CHOICE mode	TDD
- TFC subset	Default value is the complete existing set of
	transport format combinations
- CHOICE Subset representation	Allowed transport format combination list
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- Transport format combination	<u>Integer (0 1023)</u>
- TFC subset list	Not present
 Added or Reconfigured UL TrCH information list 	Not present
- DL Transport channel information common for all transport	
<u>channel</u>	
- SCCPCH TFCS	Not Present
- CHOICE mode	<u>TDD</u>
-Individual DL CCTrCH information	
- DL TFCS ID	1
- TFCS ID - Shared Channel Indicator	1 FALSE
- Shared Channel Indicator - CHOICE DL parameters	
- Added or Reconfigured TrCH information list	Same as UL Not present
Frequency info	Not Present
Maximum allowed UL TX power	Default value is the existing maximum UL TX
MAXIMUM GIOVIOL OF TAX POWOL	power
I and the second	I bostor

Information Element	<u>Value/remark</u>
CHOICE channel requirement	Not present
Downlink information common for all radio links	Not present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	<u>TDD</u>
- Primary CCPCH info	
- CHOICE mode	<u>TDD</u>
- CHOICE TDD option	1.28 Mcps TDD
- TSTD indicator	<u>False</u>
- Cell parameters ID	Not Present
- SCTD indicator	<u>False</u>
- Downlink DPCH info for each RL	Not Present
- SCCPCH information for FACH	Not Present

CHANGE REQUEST				
ж <mark>Т</mark>	S34.108 CR 256 #rev 1 # 0	Current version: 4.8.0		
For <u>HELP</u> on t	sing this form, see bottom of this page or look at the	pop-up text over the 光 symbols.		
Proposed change	affects: UICC apps発 ME X Radio Acc	cess Network Core Network		
Title: #	CR to 34.108 Rel-4: Addition of transport channel recontents for TDD	econfiguration default message		
Source: #	CATT/CCSA			
Work item code: ₩	TEI	Date: 第 23/10/2003		
	Use one 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 TR 21.900. TDD default message contents in transport chafor testing UE properly.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) annel reconfiguration are included ontents in transport channel		
	TRANSPORT CHANNEL RECONFIGURATION TRANSPORT CHANNEL RECONFIGURATION TRANSPORT CHANNEL RECONFIGURATION TRANSPORT FORMAT COMBINATION CONTRANSPORT FORMAT COMBINA	ON COMPLETE ON FAILURE NTROL		
Consequences if not approved:	# If those message contents are not defined, UE	E might not be tested properly.		
Clauses affected:	第 9.1.2			
Other specs affected:	Y N X Other core specifications			
Other comments:	ж <mark>-</mark>			

How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM (1.28 Mcps TDD)

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE. The first/
		leftmost bit of the bit string contains the most
550		significant bit of the MAC-I.
- RRC message sequence number		SS provides the value of this IE, from its
lata with a water time was do info		internal counter.
Integrity protection mode info Ciphering mode info		Not Present Not Present
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A1, A2, A3 A4, A5, A6	Now
New U-RNTI	A4, A3, A0	Not Present
New C-RNTI	A1, A2, A3,	Not Present
NOW O TATAL	A4	Not 1 10001K
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6	
New H-RNTI	A1, A2, A3,	Not Present
	A4, A5, A6	
RRC State indicator	A1, A2, A3,	CELL DCH
	<u>A4</u>	
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
	A4,A5,A6	
CN information info		Not Present
<u>URA identity</u>		Not Present
Downlink counter synchronisation info		Not Present
UL Transport channel information for all transport	A1, A2, A5,	Not Present
<u>channels</u>	<u>A6</u>	

Information Element	Condition	Value/remark
UL Transport channel information for all transport	A3, A4	
channels	7.101777	
- PRACH TFCS		Not Present
- CHOICE mode		TDD
- Individual UL CCTrCH information		
- UL TFCS Identity		
- TFCS ID		1
- Shared Channel Indicator		1 FALSE
- UL TFCS		
- CHOICE TFCI signalling		<u>Normal</u>
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
 TFCS complete reconfiguration information 		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from TS34.108
		clause 6.11.5.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.11.5.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.11.5.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
D (TEO ID		Signalled Gain Factors)
- Reference TFC ID		<u>0 Integer(03)</u>
- CHOICE Gain Factors		Signalled Gain Factors(Not Present if the
		CHOICE Gain Factors is set to ComputedGain
CHOICE made		Factors)
- CHOICE mode		TDD 15
Gain Factor $β_d$ - Reference TFC ID		
- Reference TPC ID - CHOICE mode		OInteger(0 3)
- TFC subset		100
- CHOICE Subset representation		Full transport format combination set
- TFC subset list		Not Present
Added or Reconfigured TrCH information list	A1, A2, A5,	Not Present
Added of Neconinguled From Information list	A1, A2, A5, A6	INOUT LESCHE
	AD	

Information Element	Condition	Value/remark
Added or Reconfigured TrCH information list	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Added or Reconfigured UL TrCH information		
 Uplink transport channel type 		<u>DCH</u>
- UL Transport channel identity		<u>5</u>
<u>- TFS</u> - CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		<u>Dedicated transport charmers</u>
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		Set
 Number of TBs and TTI List 		This IE is repeated for maxTF number
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
CHOICE Logical Channal list		Set All
- CHOICE Logical Channel list - Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
Data matching attribute		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set
- Uplink transport channel type		<u>DCH</u>
- UL Transport channel identity		1
TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information - RLC Size		Reference to TS34.108 clause 6.11 Parameter
- RLC Size		Set
- Number of TBs and TTI List		This IE is repeated for maxTF number
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information - Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
- Hansinission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
CPC cizo		Set Reference to TS34.108 clause 6.11 Parameter
- CRC size		Set
Added or Reconfigured TrCH information list	A3	(DCH for DTCH)
- Added or Reconfigured UL TrCH information	1	<u>,==:,</u>
- Uplink transport channel type		<u>DCH</u>
- UL Transport channel identity		<u>1</u>
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information - RLC Size		Reference to TS34.108 clause 6.11 Parameter
- KLO SIZE		Set
- Number of TBs and TTI List	1 to maxTF	(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Defended to T004 400 1 0 0 44 5
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
- Type of channel coding		Set Reference to TS34 108 clause 6 11 Parameter
 Type of channel coding 		Reference to TS34.108 clause 6.11 Parameter

Information Element	Condition	Value/remark
		<u>Set</u>
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.11 Parameter
- Rate matching attribute		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set
CHOICE mode	A1,A2,A3,	TDD
	A4,A5,A6	
DL Transport channel information common for all	A1, A2,	Not Present
transport channels DL Transport channel information common for all	A5,A6	
transport channel	<u>A3,A4</u>	
- SCCPCH TFCS		Not Present
- CHOICE mode		TDD
- Individual DL CCTrCH information		
- DL TFCS Identity		
- TFCS ID		2 FALSE
- Shared Channel Indicator		FALSE Independent
- CHOICE DL parameters - DL TFCS		<u>independent</u>
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfiguration information		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause TS34.108 clause 6.11.5.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.11.5.4
<u>- CTFC</u>		Reference to TS34.108 clause 6.11.5.4
		Parameter Set
- Power offset information		Not Present
Added or Reconfigured TrCH information list	A1, A2, A5,	Not Present
	<u>A6</u>	

Information Element	Condition	<u>Value/remark</u>
Added or Reconfigured TrCH information list	<u>A4</u>	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Added or Reconfigured DL TrCH information		
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
 Uplink transport channel type 		<u>DCH</u>
- UL TrCH identity		<u>5</u>
- DCH quality target		
- BLER Quality value		-2.0 Real(-6.30 by step of 0.1)
 Transparent mode signalling info 		Not Present
 Downlink transport channel type 		<u>DCH</u>
- DL Transport channel identity		<u>6</u>
- CHOICE DL parameters		Explicit
<u>- TFS</u>		
 CHOICE Transport channel type 		Dedicated transport channels
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		<u>Set</u>
 Number of TBs and TTI List 		(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.11 Parameter
		Set
- DCH quality target		
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
Added or Reconfigured TrCH information list	A3	
- Added or Reconfigured DL TrCH information		
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic transport format information		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TF number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter
		Set
- Semi-static Transport Format information		<u> </u>
- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter
Transmission uno morva		Set
- Type of channel coding		Reference to TS34.108 clause 6.11 Parameter
1 ypo or charmor county		Set
- Coding Rate		Reference to TS34.108 clause 6.11 Parameter
Obumy Nate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.11 Parameter
- Nate matering attribute		
CPC size		Set Peteronee to TS34 108 clause 6 11 Peremeter
- CRC size		Reference to TS34.108 clause 6.11 Parameter
DCH quality torget		Set
- DCH quality target		2.0
- BLER Quality value		-2.0
- Transparent mode signalling info	A4 AC AC	Not Present
Frequency info	A1, A2, A3,	
	<u>A4, A5</u>	

Information Element	Condition	Value/remark
- Choice mode		TDD
- UARFCN (Nt)		Reference to clause 5.1 Test frequencies
Frequency info	<u>A6</u>	Not Present
Maximum allowed UL TX power		33dBm
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
	<u>A4</u>	
- Uplink DPCH power control info		
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- PRXPDPCHdes		<u>-80 Integer(-12058 by step of 1)</u>
- CHOICE UL OL PC info		Individually Signalled
- CHOICE TDD option		1.28 Mcps TDD
- TPC step size		<u>1</u>
- Primary CCPCH Tx Power		20 Integer(643)
- CHOICE mode		TDD
- Uplink Timing Advance Control		
- CHOICE Timing Advance		Enabled
- CHOICE TDD option		1.28 Mcps TDD
- Uplink synchronisation parameters		
- Uplink synchronisation step size	+	1
- Uplink synchronisation frequency		1
- Synchronisation parameters		-
- SYNC UL codes bitmap		01010101
- FPACH info		
- Timeslot number		0
- Channelisation code		16/15
- Midamble Shift and burst type		10/13
		4 20 Mana TDD
- CHOICE TDD option		1.28 Mcps TDD
- Midamble Allocation Mode		Default midamble
- Midamble configuration		16 Integer(2, 4, 6, 8, 10, 12, 14, 16)
<u>WT</u>		4 Integer(14)
- PRXUpPCHdes		<u>-80 dBm</u>
- SYNC_UL procedure		
- Max SYNC_UL Transmissions		<u>2</u>
- Power Ramp Step		<u>2</u>
- UL CCTrCH List		
TFCS ID		<u>1</u>
- UL Target SIR		Real (-11 20 by step of 0.5dB)
		Reference to TS34.108 Parameter set.
Time info		
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
<u>Duration</u>		<u>Infinite</u>
- Common timeslot info		
- 2 nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter set
Puncturing limit		Reference to TS34.108 clause 6 Parameter
- Repetition period		set
- Repetition length		1
- Uplink DPCH timeslots and code		
- Dynamic SF usage		FALSE
- First individual timeslot info		TALOL
- Timeslot number		
- Timesiot number - CHOICE TDD option		1.28 Mens TDD
- Control of the Cont		1.28 Mcps TDD
- Timeslot number		1 OR 2 OR 3
- TFCI existence		TRUE
- Midamble shift and burst type		A CO Maria TTD
- CHOICE TDD option	1	1.28 Mcps TTD

Information Element	Condition	Value/remark
- Midamble allocation mode	<u>Jonation</u>	Default midamble
- Midamble configuration		16
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		QPSK
- SS-TPC Symbols		1
- Additional TPC-SS Symbols		Not present
- First timeslot Code List		Repeated (1.2) for each channelisation code
- First timeslot Code List		assigned in the slot to meet the needs
		of TS34.108 clause 6 Parameter Set.
- channelisation codes		(SF/ i) where i denotes an unassigned code
		matching the SF specified in TS34.108
		clause 6 Parameter Set.
- CHOICE more timeslots		No more timeslots
- UL CCTrCH List to Remove		Not present
CHOICE Mode	A1, A2, A3,	TDD
	A4, A5, A6	
Downlink HS-PDSCH Information	A1, A2, A3,	Not Present
5 miles 2 miles	A4, A5, A6	
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL - Timing indication		Mointain
- Timing indication - CFN-targetSFN frame offset		Maintain Not Present
- Downlink DPCH power control information		Not Flesent
- CHOICE mode	†	TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	<u>A4</u>	
- Timing indication		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		Not 1 1000111
- CHOICE mode		TDD
- TPC Step Size		1
- MAC-d HFN initial value		Not Present
- CHOICE mode		TDD
- CHOICE mode		TDD
- CHOICE TDD option		1.28 Mcps TDD
- TSTD indicator - Default DPCH Offset Value		FALSE
- CHOICE mode	+	TDD
- Default DPCH Offset Value		0 Integer(07)
Downlink information common for all radio links	A5, A6	Not Present
Downlink information per radio link list	A1, A2,A3	
- Downlink information for each radio link		
- Choice mode		TDD
- Primary CCPCH info		
- Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE Pof. to the Default cetting in TS24 108 clause
- Cell parameters ID		Ref. to the Default setting in TS34.108 clause 6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		TALOE
- CHOICE mode		TDD
- DL CCTrCh List		
- TFCS ID		2 Integer(1.8)
- Time info		
- Activation time		Now
- Duration		<u>Infinite</u>

Information Element	Condition	Value/remark
- Common timeslot info	<u> </u>	- Tarady on an
- 2nd interleaving mode		Default value is "Frame"
- TFCI coding		Reference to TS34.108 clause 6 Parameter
- Puncturing limit		Set Reference to TS34.108 clause 6 Parameter set
- Repetition period		1
- Repetition length		NULL
- Downlink DPCH timeslots and codes		
- First individual timeslot info		
- Timeslot number		
- CHOICE TDD option		1.28 Mcps TDD
- Timeslot number		4 OR 5 OR 6
- TFCI existence		TRUE
- Midamble shift and burst type		
- CHOICE TDD option		1.28 Mcps TDD
- Midamble allocation mode		Default midamble
- Midamble configuration		<u>16</u>
- Midamble Shift		Not Present
- CHOICE TDD option		1.28 Mcps TDD
- Modulation		<u>QPSK</u>
- SS-TPC Symbols		<u>1</u>
- Additional TPC-SS Sysbols		Not present
 First timeslot channelisation codes 		Repeated (1,2) for each channelisation code
		assigned in the slot to meet the needs
		of TS34.108 clause 6 Parameter Set.
- CHOICE codes representation		
- Channelisation codes bitmap		Reference to TS34.108 clause 6.11 Parameter
- CHOICE more timeslots		Set No more timeslots
- UL CCTrCH TPC List		This list is not required for 1.28 Mcps TDD and
- OL COTTOTT TO LIST		is to be ignored by the UE.
- UL TPC TFCS Identity		10 to 50 ig. 10 to 52.
- TFCS ID		1
- Shared Channel Indicator		FALSE
- DL CCTrCH List to Remove		Not present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A4</u>	
- Downlink information for each radio link		
- Choice mode		TDD
- Primary CCPCH info - Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator		FALSE
- Cell parameters ID		Ref. to the Default setting in TS34.108 clause
		6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		TDD
- CHOICE mode		TDD Not Present
- DL CCTrCh List - DL CCTrCH List to Remove		Not Present Not present
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	A5	111111111111111111111111111111111111111
- Downlink information for each radio link		
- Choice mode		TDD
- Primary CCPCH info		
- Choice mode		TDD
- Choice TDD Option		1.28 Mcps TDD
- TSTD indicator - Cell parameters ID		FALSE Ref. to the Default setting in TS34.108 clause
- Celi parameters iD		6.1 (TDD) Integer(0127)
- SCTD indicator		FALSE
- Downlink DPCH info for each RL		Not Present

Information Element	Condition	<u>Value/remark</u>
- SCCPCH Information for FACH		Not Present
Downlink information per radio link list	<u>A6</u>	Not Present

<u>Condition</u>	<u>Explanation</u>	
<u>A1</u>	This IE need for "Non speech in CS"	
<u>A2</u>	This IE need for "Speech in CS"	
A2 A3 A4	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE need for "Packet to CELL DCH from CELL FACH in PS"	
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"	

Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM (1.28 Mcps TDD)

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in
	the downlink TRANSPORT CHANNEL
	RECONFIGURATION message
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 - RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
<u>Uplink integrity protection activation info</u>	Not checked
CHOICE mode	<u>TDD</u>
CHOICE TDD option	1.28 Mcps TDD
COUNT-C activation time	Not checked
Radio bearer uplink ciphering activation time info	Not checked
<u>Uplink counter synchronisation info</u>	Not checked

Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink TRANSPORT CHANNEL
	RECONFIGURATION message.
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL_DCH)

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
 Message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
 - RRC Message sequence number 	SS provides the value of this IE, from its internal counter.
CHOICE mode	<u>TDD</u>
<u>- TFCS Id</u>	
TFCS ID	1
 Shared Channel Indicator 	<u>FALSE</u>
DPCH/PUSCH TFCS in uplink	
- CHOICE Subset representation	Allowed transport format combination list
 Allowed transport format combination list 	0 (The TFC is constructed from ALL TF0)
Activation time for TFC subset	Now
TFC Control duration	Not Present

Contents of TRANSPORT FORMAT COMBINATION CONTROL FAILURE message: AM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink TRANSPORT CHANNEL
	RECONFIGURATION message.
Integrity check info	
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
	The first/ leftmost bit of the bit string contains the most
	significant bit of the MAC-I.
 - RRC Message sequence number 	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

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How to create CRs using this form:

- 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 $\underline{\text{ftp://ftp.3gpp.org/specs/}}$. 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of UE CAPABILITY ENQUIRY message

Information Element	<u>Value/remark</u>
Message Type	<u>UE CAPABILITY ENQUIRY</u>
Integrity check info	Not Present
 Message authentication code 	If present, SS calculates the value of MAC-I for this message
	and writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
 - RRC Message sequence number 	If present, SS provides the value of this IE, from its internal
	counter.
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Capability update requirement	
 UE radio access FDD capability update 	<u>FALSE</u>
requirement	
 UE radio access 3.84 Mcps TDD capability update 	<u>FALSE</u>
requirement	
- UE radio access 1.28 Mcps TDD capability update	TRUE
requirement	
 System specific capability update requirement list 	Not Present

Contents of UE CAPABILITY INFORMATION message (1.28 Mpcs TDD)

Information Element	Value/remark
Message Type	UE CAPABILITY INFORMATION
Integrity check info	Not Present
- Message authentication code	If present, SS calculates the value of MAC-I for this message
	and writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
- RRC Message sequence number	If present, SS provides the value of this IE, from its internal
	counter.
RRC transaction identifier	Checked to see if the value is identical to the same IE in the
	downlink UE CAPABILITY ENQUIRY message.
UE radio access capability	<u>Present</u>
- Access stratum release indicator	<u>REL-5</u>
- DL capability with simultaneous HS-DSCH	Not Present
configuration	
- PDCP capability	
- Support for lossless SRNS relocation	TRUE
- Support for RFC2507	TRUE
- Max HC context space	<u>512</u>
- Support for RFC3095	<u>FALSE</u>
- RLC capability	450
- Total RLC AM buffer size	150
- Maximum RLC AM Window Size	2047
- Maximum number of AM entities - Transport channel capability	30
- Transport channel capability - Downlink transport channel capability information	
elements	
- Max number of bits received	640
- Max convolutionally coded bits received	6400
- Max turbo coded bits received	6400
- Max number of simultaneous transport channels	8
- Maximum number of simultaneous CCtrCH	8 1 32 128
- Max number of received transport blocks	$\frac{1}{32}$
- Max number of TFC	128
- Max number of TF	64
- Turbo decoding supported	TRUE
- Uplink transport channel capability information	
elements	
- Max number of bits transmitted	<u>6400</u>
- Max convolutionally coded bits transmitted	6400
- Max turbo coded bits transmitted	<u>6400</u>
 Max number of simultaneous transport channels 	<u>8</u>

Information Element	Value/remark
- Max number of simultaneous CCTrCH of DCH	1
- Max number of transmitted transport blocks	<u>16</u>
- max number of TFC	64
- Max number of TF	32
- Turbo coding supported	TRUE
- RF capability FDD	Not Present
- RF capability TDD	Present
- UE power class	1
- Radio frequency bands	a
- Chip rate capability	1.28 Mcps
- Physical channel capability	1.20 WOPS
-Downlink physical channel capability information	
- FDD physical channel capability	Not Present
- 3.84 Mcps TDD downlink physical channel	Not Present
capability	Not Hesent
- 1.28 Mcps TDD downlink physical channel	Present
capability	<u>l'Tesent</u>
- maxTS per subFrame	6
- max 15 per sub-rame - max physical channel per frame	<u>6</u> <u>96</u>
- max physical channel per frame - min. SF	16 16
- min. SF - Support of PDSCH	FALSE
- Support of PDSCH - Support of HS-PDSCH	Unsupported
- max. physical channel per TS - Support of 8psk	1 <u>6</u> FALSE
-Uplink physical channel capability information	FALSE
- FDD physical channel capability	Net Dresent
- 3.84 Mcps TDD uplink physical channel capability	Not Present Not Present
- 1.28 Mcps TDD uplink physical channel capability	Present
- maxTS per subFrame	Fieseni
- max physical channel per timeslot	6 2 16
- min. SF	<u>4</u>
- Support of PDSCH	FALSE
- max. physical channel per TS	16
- Support of 8psk	FALSE
- UE multi-mode/multi-RAT capability	TALOL
- MultiRAT capability List	
- Support of GSM	FALSE
- Support of Gold - Support of Multicarrier	TRUE
- MultiMode capability	TDD
- Support of UTRAN to GERAN NACC	FALSE
- Support of OTRAN to GERAN NACC	TALOL
- Security Capability - Ciphering algorithm capability	
- UEA0	FALSE
- UEA1	FALSE
- Spare	FALSE
- Integrity protection algorithm	IALOL
- Integrity protection algorithm - UIA1	FALSE
- Spare	FALSE
- UE positioning capability	IALOE
- OE positioning capability - Standalone location method(s) supported	FALSE
- Standaione location method(s) supported - UE based OTDOA supported	FASLE
- UE based OTDOA supported - Network Assisted GPS support	None
- Network Assisted GPS support - Support for GPS timing of cell frames	
	FALSE
measurement - Support for IPDL	FALSE
	FALSE
- Support for RX-TX time difference type2 measurement	FALSE
	ENISE
- Support for Up measurement validaity in CELL- PCH and URA-PCH states	FALSE
- Measurement capability	Not Present
UE system specific capability	Not Present Not present
OF SASIGHT Shering Cahapillity	ואסי הובפבווו

Contents of UE CAPABILITY INFORMATION CONFIRM message

Information Element	<u>Value/remark</u>			
Message Type	<u>UE CAPABILITY INFORMATION</u>			

Information Element	<u>Value/remark</u>
Integrity check info	Not Present
- Message authentication code	If present, SS calculates the value of MAC-I for this message
	and writes to this IE. The first/ leftmost bit of the bit string
	contains the most significant bit of the MAC-I.
 - RRC Message sequence number 	If present, SS provides the value of this IE, from its internal
	counter.
RRC transaction identifier	Checked to see if the value is identical to the same IE in the
	downlink UE CAPABILITY ENQUIRY message.

		(CHANG	E REQ	UES	Γ			CR-Form-v7
ж <mark>Т</mark>	S34.108	CR	258	⊭rev	1 *	Current vers	sion: 4.	8.0	#
For <u>HELP</u>	on using th	is form, see	e bottom of th	is page or	look at t	he pop-up tex	t over the	₩ syn	nbols.
Proposed cha	nge affects	s: UICC a	apps#	MEX	Radio /	Access Netwo	ork Co	ore Ne	twork
Title:	第 CR t	o 34.108 R	el-4: Addition	of default	message	e contents for	TDD		
Source:	₩ CAT	T/CCSA							
Work item cod	de:♯ TEI					Date: ଖ	23/10/2	2003	
Reason for ch Summary of c	F A B C D Detaile be fou	(correction, (correspon) (corr	ds to a correctife feature), modification of the above TR 21.900. It message components for LCR TECTUS MODE FAIL	re categories contents are contents are contents be contents are contents are contents are contents are contents are contents are	s can e include message een adde	2 se) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6 d for testing U	f the following (GSM Phase) (Release) (Release) (Release) (Release) (Release) (Release) (Release) (Release)	ase 2) 1996) 1997) 1998) 1999) 4) 5) 6)	
Consequence not approved:		If those me	essage conter	nts are not	defined,	UE might not	be tested	prope	erly.
Clauses affect	ted: ೫								
Other specs affected:		X Test	r core specific specifications Specificatior	3	*				
Other comme	nts: ૠ								

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

9.1.2 Default Message Contents for Signalling (TDD)

Contents of RRC STATUS message: AM

Information Element	<u>Value/remark</u>
Message Type	
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Identification of received message	Not checked
Protocol error information	
- Protocol error cause	Refer to test requirement.

Contents of SECURITY MODE FAILURE message: AM

Information Element	<u>Value/remark</u>
Message Type	
UE information elements	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink SECURITY MODE COMMAND message.
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Refer to test requirement.

Contents of URA UPDATE message: TM

Information Element	<u>Value/remark</u>
Message Type	
<u>U-RNTI</u>	Checked to see if it is set to the following values
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Checked to see if it is absent
Integrity check info	
 Message authentication 	This IE is checked to see if it is present. The value is
<u>code</u>	compared against the XMAC-I value computed by SS. The
	first/ leftmost bit of the bit string contains the most significant
	bit of the MAC-I.
 - RRC Message sequence 	This IE is checked to see if it is present. The value is used by
<u>number</u>	SS to compute the XMAC-I value.
URA update cause	See the test content
Protocol error indicator	Checked to see if it is absent or set to 'FALSE'
Protocol error information	Checked to see if it is absent

Contents of URA UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
<u>U-RNTI</u>	If this message is sent on CCCH, use the following values.
	Else, this IE is absent.
- SRNC identity	<u>0000 0000 0001B</u>

Information Element	Value/remark
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity check info	
 Message authentication 	Set to MAC-I value computed by the SS. The first/ leftmost bit
<u>code</u>	of the bit string contains the most significant bit of the MAC-I.
- RRC Message Sequence	Set to an arbitrarily selected integer between 0 and 15
<u>Number</u>	
Integrity protection mode info	Not present
Ciphering mode info	Not present
New U-RNTI	Not present
New C-RNTI	Not present
RRC State Indicator	<u>URA_PCH</u>
UTRAN DRX cycle length	<u>3</u>
coefficient	
CN Information info	Not present
<u>URA identity</u>	See the test content
Downlink counter	Not present
synchronisation info	

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	<u>Value/remark</u>
Message Type	
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to a CN domain for which a signalling connection exists
NAS message	Set according to that indicated in specific message content for each test case
Measured results on RACH	Not checked

Contents of UTRAN MOBILITY INFORMATION message: AM or UM

Information Element	Value/remark
Message Type	
Integrity check info	
- Message authentication code	Set to MAC-I value computed by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message Sequence	Set to an arbitrarily selected integer between 0 and 15
Number	
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity protection mode info	Not present
Ciphering mode info	Not present
New U-RNTI	See the test content
New C-RNTI	See the test content
UE Timers and constants in connected mode	

Information Element	Value/remark
- T301	2000 milliseconds
- N301	2
- T302	4000 milliseconds
- N302	3
- T304	1000 milliseconds
- N304	3
- T305	60 minutes
- T307	50 seconds
<u>- T308</u>	320 milliseconds
<u>- T309</u>	8 seconds
<u>- T310</u>	320 milliseconds
- N310	<u>5</u>
<u>- T311</u>	500 milliseconds
- T312	<u>5 seconds</u>
<u>- N312</u>	<u>200</u>
<u>- T313</u>	10 seconds
<u>- N313</u>	<u>200</u>
<u>- T314</u>	20 seconds
<u>- T315</u>	30 seconds
<u>- N315</u>	<u>200</u>
<u>- T316</u>	50 seconds
<u>- T317</u>	1800 seconds
CN Information info	Not present
<u>URA identity</u>	Not present
Downlink counter	Not present
synchronisation info	

Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

Information Element	<u>Value/remark</u>
Message Type	
RRC transaction identifier	Checked to see if it matches the value of the same IE in
	downlink UTRAN MOBILITY INFORMATION message
Integrity check info	
 Message authentication 	This IE is checked to see if it is present. The value is
<u>code</u>	compared against the XMAC-I value computed by SS. The
	first/ leftmost bit of the bit string contains the most significant
	bit of the MAC-I.
 - RRC Message sequence 	This IE is checked to see if it is present. The value is used by
<u>number</u>	SS to compute the XMAC-I value.
Uplink integrity protection	Not checked
activation info	
COUNT-C activation time	Not checked
Radio bearer uplink ciphering	Not checked
activation time info	
Uplink counter synchronisation	Not checked
<u>info</u>	

3GPP TSG-T WG1 Meeting #21 Budapest, Hungary, November 3rd-7th, 2003

34.108 CR 282 # rev - # Current version: 3.13.0 # For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols. Proposed change affects: UICC apps# ME X Radio Access Network Core Network Title: # Correction of TFCS for radio bearer combination 6.10.2.4.1.51b Source: # Ericsson Work item code: # TEI Date: # 29/10/2003
For HELP on using this form, see bottom of this page or look at the pop-up text over the % symbols. Proposed change affects: UICC apps% ME X Radio Access Network Core Network Title: % Correction of TFCS for radio bearer combination 6.10.2.4.1.51b Source: % Ericsson
Proposed change affects: UICC apps# ME X Radio Access Network Core Network Title:
Title:
Source: # Ericsson
Mark item code: % TEL Pote: % 20/40/2002
Work item code. & TEI Date. & 29/10/2003
Category: \mathbb{F} Release: \mathbb{X} R99Use one of the following categories:Use one of the following releases: F (correction)2 (GSM Phase 2) A (corresponds to a correction in an earlier release)R96 (Release 1996) B (addition of feature),R97 (Release 1997) C (functional modification of feature)R98 (Release 1998) D (editorial modification)R99 (Release 1999)Detailed explanations of the above categories can be found in 3GPP TR 21.900.Rel-4 (Release 4)Rel-5 (Release 5)Rel-6 (Release 6)
Reason for change: ## Uplink TFCS for radio bearer combination 6.10.2.4.1.51b is not aligned to how downlink TFCS are specified nor how uplink/downlink TFCS are specified for other radio bearer combination in 34.108. The associated package 3 test case in section 14.2.51b have assumed that the uplink TFCS is following the same principles as for the other radio bearer combinations.
The uplink TFCS have been changed to follow the principles used for all other radio bearer combinations, i.e. to first list the TFC where transport format for the DCCH is TF0 and then TF1. Current specification of the uplink TFCS is: (64 kbps Conversational RAB, 16 kbps I/B RAB, DCCH)= (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF2, TF1), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF1, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1) It is proposed to be changed to: (64 kbps Conversational RAB, 16 kbps I/B RAB, DCCH)=

(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1) Consequences if Re-design of package 3 radio bearer test case 14.2.51b is needed which would not approved: introduce unessecary work for ETSI MCC team and delay verification of the test case.

Clauses affected: # 6.10.2.4.1.51b

Other specs affected: # X Other core specifications # Test specifications O&M Specifications

Other comments: #

How to create CRs using this form:

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

6.10.2.4.1.51b Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background /

UL:16 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.51b.1 Uplink

6.10.2.4.1.51b.1.1 Transport channel parameters

6.10.2.4.1.51b.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.51b.1.1.2 Transport channel parameters for Interactive or Background / UL:16 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	16000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	2124
	Uplink: Max number of bits/radio frame before rate matching	531
	RM attribute	135-175

6.10.2.4.1.51b.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51b.1.1.4 TFCS

TFCS size	12
TFCS	(64 kbps Conversational RAB, 16 kbps I/B RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1,
	TF2, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF1), (TF1, TF1,
	TF1), (TF1, TF2, TF1) (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF0, TF1),
	(TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1,
	TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1)

6.10.2.4.1.51b.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.64

6.10.2.4.1.51b.2 Downlink

See clause 6.10.2.4.1.51.2.

3GPP TSG-T WG1 Meeting #21

Budapest, Hungary, November 3 rd -7 th , 2003							
CHANGE REQUEST							
*	34.108	CR 283	жrev	= #	Current versi	4.8.0	¥
For <u>HELP</u> on us Proposed change a		m, see botton			e pop-up text	_	
							Stwork
Title: ೫	Correction	n of TFCS for	radio bearer co	mbination 6	6.10.2.4.1.51b	0	
Source: #	Ericsson						
Work item code: ∺	TEI				Date: ₩	29/10/2003	
	F (cor A (cor		correction in an ea	arlier release	2	Rel-4 the following rel (GSM Phase 2) (Release 1996))
	C (fun D (edi Detailed exp	dition of feature, ctional modification torial modification planations of the 3GPP TR 21.90	ntion of feature) on) e above categorie	es can	R98 R99 Rel-4 Rel-5	(Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6))
Reason for change	down other in se	nlink TFCS are r radio bearer ection 14.2.51b	adio bearer comes specified nor combination in the part of the par	how uplink/o 34.108. The d that the up	downlink TFC e associated olink TFCS is	CS are specific package 3 tes	ed for st cases
Summary of change	radio DCCh Curre (64 kt) (TF0, (TF0, (TF0, (TF0, (TF1, (TF1	bearer combir I is TF0 and the nt specificatio	nations, i.e. to fi	rst list the T	FC where tra		

It is proposed to be changed to: (64 kbps Conversational RAB, 16 kbps I/B RAB, DCCH)=

(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1) Consequences if Re-design of package 3 radio bearer test case 14.2.51b is needed which would not approved: introduce unessecary work for ETSI MCC team and delay verification of the test case.

Clauses affected: # 6.10.2.4.1.51b

Other specs affected: # X Other core specifications # Test specifications O&M Specifications

Other comments: #

How to create CRs using this form:

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

6.10.2.4.1.51b Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:16 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.51b.1 Uplink

6.10.2.4.1.51b.1.1 Transport channel parameters

6.10.2.4.1.51b.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.51b.1.1.2 Transport channel parameters for Interactive or Background / UL:16 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	16000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	2124
	Uplink: Max number of bits/radio frame before rate matching	531
	RM attribute	135-175

6.10.2.4.1.51b.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51b.1.1.4 TFCS

TFCS size	12
TFCS	(64 kbps Conversational RAB, 16 kbps I/B RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1,
	TF2, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF1), (TF1, TF1,
	TF1), (TF1, TF2, TF1) (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF0, TF1),
	(TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1,
	TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1)

6.10.2.4.1.51b.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.64

6.10.2.4.1.51b.2 Downlink

See clause 6.10.2.4.1.51.2.

Tdoc # T1-031546

3GPP TSG-T WG1 Meeting #21 Budapest, Hungary, November 3rd-7th, 2003

. ,	5	•					
	1	CHANGE	REQ	UES1	Γ		CR-Form-v7
×	34.108 CR	263	жrev	1 **	Current vers	3.13.0) #
For <u>HELP</u> on	using this form, se	e bottom of this	s page or l	ook at th	ne pop-up text	t over the % sy	rmbols.
Proposed change	e affects: UICC	apps೫	ME X	Radio A	Access Netwo	rk Core N	letwork
Title:	Update of defau COMMAND	ult messages fo	or RRC CC	ONNECT	TION SETUP	and SECURIT	Y MODE
Source:	₭ Ericsson						
Work item code: 8	∜ TEI				Date: ₩	3/11/2003	
Category:	B (addition of) ids to a correctio f feature), modification of f modification) ons of the above	n in an earl eature)		2	R99 f the following re (GSM Phase 2 (Release 1996 (Release 1997 (Release 1998 (Release 1999 (Release 4) (Release 5) (Release 6)	?) ?) ?)

Reason for change: # The default message for SECURITY MODE COMMAND is not consistent with the default message for RRC CONNECTION SETUP.

The default message for RRC CONNECTION SETUP and IE "Capability update requirement" for CELL_FACH and CELL_DCH case is not aligned. Normal behaviour of network is to request UE capability in the RRC CONNECTION SETUP message.

Summary of change: **Clause 9.1.1 - Default RRC Message Contents (FDD):

1. RRC CONNECTION SETUP message: UM (Transition to CELL_DCH):

Editorial changes

2. RRC CONNECTION SETUP message: UM (Transition to CELL FACH):

Changed IE "Capability update requirement" form "Not Present" to indicating that UE is to provide radio access capabilities for FDD and GSM (as is done for CELL_DCH case)

- 3. SECURITY MODE COMMAND message: AM:
 - a. Introduced conditions A1 (UE not supporting GSM) and A2 (UE supporting GSM).
 - b. Introduced conditional values for IE "UE system specific security

capability" depending on conditions depending on UE support of GSM or not. For the case the UE supports GSM then GSM security capability information is included, else the IE is marked as "Not Present"

Clause 9.1.2 - Default RRC Message Contents (TDD):

- 4. RRC CONNECTION SETUP message: UM (Transition to CELL_DCH):
 - a. Removed comment "Not Present" from IE "Capability update requirement"
 - b. Editorial changes
- 5. SECURITY MODE COMMAND message: AM:

Same change as for the default message for FDD, see above.

Clause 9.2.1 - Default Message Contents for RF (FDD):

6. Contents of RRC CONNECTION SETUP message: UM:

Editorial changes

7. SECURITY MODE COMMAND message: AM:

Same change as for the RRC default message for FDD, see above.

Clause 9.2.2 - Default Message Contents for RF (TDD):

8. Same change as for the default message for RF FDD (clause 9.2.1), see above.

Consequences if not approved:

Inconsistent specification of default messages remains.

Clauses affected:	第 9.1.1, 9.1.2, 9.2.1 and 9.2.2 Y N
Other specs affected:	# X Other core specifications # Test specifications O&M Specifications
Other comments:	*

How to create CRs using this form:

- 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 ftp://ftp.3gpp.org/specs/ 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.

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

.....

<First modified default message>

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
,	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	The state of the s
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
	9
Capability update requirement	TDUE
- UE radio access FDD capability update	TRUE
requirement	EALOE
- UE radio access TDD capability update	FALSE
requirement	00110
- System specific capability update requirement list	<u>GSM</u> Gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	·
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
	NOT FIESEIT
- Number of RLC logical channels	DACII
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
 MAC logical channel priority 	1
 Downlink RLC logical channel info 	

- Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RB identity - CHOICE RLC info type - RLC info - CHOICE RLC info type - RLC info - CHOICE RLC info type - RLC info - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - IMAX_DAT - Transmission window size - Timer_RST - Polling info - Timer_poll_prohibit - Timer_poll_prohibit - Last transmission PDU poll - Information for each multiplexing option - Timer_EPC - Missing PDU indicator - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_STATUS_periodic - CHOICE Downlink RLC mode - Information for each multiplexing option - RLC logical channel identity - CHOICE RLC size list - MAC (logical channel identity - CHOICE RLC size list - Downlink RLC logical channels - Downlink RLC logical channel identity -	Information Element	Value/remark
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- Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel identity - Logical channel priority - CHOICE RLC size list - Downlink RLC logical channel sidentity - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - DL DSCH Transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel identity - Logical channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - UL Transport channel identity - Logical		
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- RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical		
- Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channel type - DL DCH Transport channel identity - Logical channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel identity -		1101111000111
- RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - Logical channel identity - Logical channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel identity - Logical channel identity - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - Explicit List		2 RBMuxOntions
- Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel type - UL Transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Uplink transport channel identity - Logical channel identity - CHOICE RLC size list - Explicit List		
- Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - UL Transport channel identity - Logical channel identity - Logical channel identity - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - Explicit List		
- UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - Explicit List		
- Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - UL Transport channel identity - Logical channel identity - Logical channel identity - UL Transport channel identity - CHOICE RLC size list - Explicit List		
- CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - UL Transport channel identity - Logical channel identity - CHOICE RLC size list Configured 2 Configured 2 Not Present 1 Not Present 1 Not Present 2 RACH Not Present Explicit List		2
- MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - Logical channel identity - UL Transport channel identity - Logical channel identity - CHOICE RLC size list 2 2 2 3 4 4 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8		Configured
- Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - UL Transport channel identity - CHOICE RLC size list - Number of RLC logical channel identity - CHOICE RLC size list - Explicit List		
- Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - Logical channel identity - CHOICE RLC size list - DCH - DCH - Not Present - RACH - Not Present - Not Present - RACH - Not Present - Explicit List - Explicit List	- Downlink RLC logical channel info	_
- Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list DCH Not Present 1 RACH Not Present 2 Explicit List		1
- DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list 10 Not Present 2 Not Present 1 RACH Not Present 2 Explicit List		
- DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list Not Present 1 RACH Not Present 2 Explicit List		
- Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list 2 Not Present RACH Not Present 2 Explicit List		
- RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list Not Present RACH Not Present 2 Explicit List		
 Number of RLC logical channels Uplink transport channel type UL Transport channel identity Logical channel identity CHOICE RLC size list 1 RACH Not Present 2 Explicit List		
 - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list RACH Not Present 2 Explicit List 		1
 - UL Transport channel identity - Logical channel identity - CHOICE RLC size list Not Present 2 Explicit List 		l. RACH
- Logical channel identity 2 - CHOICE RLC size list Explicit List		
- CHOICE RLC size list Explicit List		2
· ·		Explicit List
The size index I mode in the size index I mode in the size index index in the size index index index in the size index i		
13.6 kbps signalling radio bearer)	NEO SIZO INGGA	
- MAC logical channel priority 2	- MAC logical channel priority	,
- Downlink RLC logical channel info		-
- Number of RLC logical channels 1		1
- Downlink transport channel type FACH		FACH
- DCH Transport channel identity Not Present		
- DL DSCH Transport channel identity Not Present		
- Logical channel identity 2 Signalling RB information to getting (AM DCCH for NAS, DT High priority)		
Signalling RB information to setup (AM DCCH for NAS_DT High priority)		
- RB identity Not Present		INOL Present
- CHOICE RLC info type		
- RLC info	- KLO IIIIU	l

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	TRUE
Last transmission PDU poll Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1 DCH
- Uplink transport channel type - UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
 DL DCH Transport channel identity 	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	
- Uplink transport channel type - UL Transport channel identity	RACH Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(AM DOOLI (an NAC DT Laver missis)
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity - CHOICE RLC info type	Not present
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	·····
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200

Information Element	Value/remark
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC - Missing PDU indicator	Not Present TRUE
- Missing PDO Indicator - Timer_STATUS_periodic	Not Present
- RB mapping info	Not i lesent
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
 Logical channel identity 	4
- CHOICE RLC size list	Configured
 MAC logical channel priority 	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
 DL DCH Transport channel identity DL DSCH Transport channel identity 	10 Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	4
 Number of RLC logical channels Downlink transport channel type 	1
- DL DCH Transport channel identity	FACH Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
TFCI Field 1 informationCHOICE TFCS representation	Addition
- TFCS complete reconfigure	Addition
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108
	clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio
	bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled
Coin factor () a	Gain Factors)
- Gain factor ßc	11 (below 64 kbps) 9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain Factors)
	The transfer in the above is set to computed Gain Factors)

Information Element Value/remark - Gain factor ßd 15 (Not Present if the above is set to Computed Gain Factors) - Reference TFC ID - CHOICE mode **FDD** - Power offset Pp-m Not Present Added or Reconfigured UL TrCH information - Uplink transport channel type DCH - UL Transport channel identity 5 - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport format information - RLC size According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - Number of TBs and TTI lists (This IE is repeated for TFI number) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Transmission Time Interval kbps signalling radio bearer) - Number of Transport blocks According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CHOICE Logical channel list ΑII - Semi-static Transport Format information According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Transmission time interval kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Type of channel coding kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) - Coding Rate kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Rate matching attribute kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - CRC size kbps signalling radio bearer) DL Transport channel information common for all transport channel Not Present - SCCPCH TFCS - CHOICE mode FDD - CHOICE DL parameters Same as UL Added or Reconfigured DL TrCH information - Downlink transport channel type DCH - DL Transport channel identity 10 - CHOICE DL parameters Same as UL - Uplink transport channel type DCH - UL TrCH Identity 5 - DCH quality target - BLER Quality value -2.0Frequency info Not Present Maximum allowed UL TX power Not Present Uplink DPCH info - Uplink DPCH power control info - DPCCH power offset -6dB - PC Preamble 1 frame - SRB delay 7 frames - Power Control Algorithm Algorithm1 - TPC step size 1dB - Scrambling code type Long - Scrambling code number 0 (0 to 16777215) - Number of DPDCH Not Present(1) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Spreading factor kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - TFCI existence kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Number of FBI bit kbps signalling radio bearer) - Puncturing Limit According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

Initialise

Not Present

Downlink information common for all radio links
- Downlink DPCH info common for all RL

- CFN-targetSFN frame offset

- Timing Indication

Information Element	Value/remark
- CHOICE mode	FDD
- Downlink DPCH power control information	
- DPC mode	0 (single)
- Power offset P Pilot-DPDCH	0
 DL rate matching restriction information 	Not Present
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Fixed or Flexible Position	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- TFCI existence	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- CHOICE SF	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for each radio links list	
- Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Code number	0
- Scrambling code change	Not Present
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
 UE radio access FDD capability update 	TRUE
requirement	
- UE radio access TDD capability update	<u>FALSE</u>
requirement	0014
- System specific capability update requirement list	GSM (UM DOOLL for DDO)
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- SDU discard mode	Not present

Information Element	Value/remark
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
UL Transport channel identity Logical channel identity	5
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
 DL DSCH Transport channel identity Logical channel identity 	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit list
- RLC size index - MAC logical channel priority	According to TS34.108 clause 6.10.2.4.4.1
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity - CHOICE RLC info type	Not Present RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	7
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST - Polling info	1
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows- Timer_poll_periodic	99 Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC Missing RDU indicator	Not Present
- Missing PDU indicator- Timer_STATUS_periodic	TRUE Not Present
- RB mapping info	THOU I TOOGIIL
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
 Number of uplink RLC logical channels 	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
 Logical channel identity CHOICE RLC size list 	2 Configured
- CHOICE RLC size list - MAC logical channel priority	Configured 2
- Downlink RLC logical channel info	_
2 om min 1120 logical orial filo	

Information Element	Value/remark
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
 Uplink transport channel type UL Transport channel identity 	RACH Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1
- MAC logical channel priority	2
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity Signalling RB information to setup	2 (AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info - Timer_poll_prohibit	200
- Timer_poli_profilbit - Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size Downlink RLC status info 	32
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	
 Uplink transport channel type UL Transport channel identity 	DCH 5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present 3
 Logical channel identity RLC logical channel mapping indicator 	Not Present
Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL DCH Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit list

Information Element	Value/remark
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1
- MAC logical channel priority	3
Downlink RLC logical channel info Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	32
- Timer_RST	500
- Max_RST	1
- Polling info	200
- Timer_poll_prohibit	200
- Timer_poll - Poll_PDU	Not Present
- POII_PDU - POII_SDU	Not Present
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	32
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic - RB mapping info	Not Present
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
DL DCH Transport channel identity DL DSCH Transport channel identity	10 Not Proport
- DE DSCH Transport channel identity - Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
Logical channel identity UL Transport channel information for all transport	4
channels	
- PRACH TFCS	Not Present
110.0111100	1100 1000 1100

Information Element	Value/remark
- CHOICE Mode	FDD Value/remark
- TFC subset	Not Present
- UL DCH TFCS	Not i lesent
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	Noma
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure	Addition
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to
on o montation	TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps
	signalling radio bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone
011 0	13.6 kbps signalling radio bearer)
- Power offset information	Total hape digitalining radio boards,
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled
511010 <u>1</u> 04 uditio	Gain Factors)
- Gain factor ßc	11 (below 64 kbps)
	9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain
	Factors)
- Gain factor ßd	15
	(Not Present if the above is set to Computed Gain
	Factors)
- Reference TFC ID	0 '
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
	when the IE "RRC state indicator" is set to
	"CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	
 Uplink transport channel type 	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits;
	OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all	
transport channel	Not Present
- SCCPCH TFCS - CHOICE mode	FDD
- CHOICE Mode - CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
Added of Neconligured Front Information list	when the IE "RRC state indicator" is set to
	"CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured DL TrCH information	OLLE_I NOIT, HOOK IS WILL to dilight WILLI AGIV.
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink Transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type	
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Identification of received message	Not Checked
Protocol error information	
- Protocol error cause	Refer to test requirement.

	Information Element	Condition	Value/remark
	Message Type	<u>A1, A2</u>	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
	Integrity check info		Cat to MAC Lyalva agreement of but the CC. The
ļ	- Message authentication code		Set to MAC-I value computed by the SS. The first/ leftmost bit of the bit string contains the
			most significant bit of the MAC-I.
1	- RRC Message Sequence Number		Set to an arbitrarily selected integer between 0
ļ	Titto Message Sequence Humber		and 15
Ì	Security capability		
	- Ciphering algorithm capability		
	- UEA0		If the UE has indicated support for ciphering
			algorithm UEA0 in the IE "security capability" in
			the RRC CONNECTION SETUP COMPLETE
ı	115 44		message, this IE is set to TRUE.
l	- UEA1		If the UE has indicated support for ciphering
			algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE
			message, this IE is set to TRUE.
Ì	- Spare		Spare 2-15 = FALSE
	- Integrity protection algorithm capability		0000000000000010B (UIA1)
	- UIA1		TRUE
	- Spare		Spare 0 and Spare 2-15 = FALSE
	Ciphering mode info		This presence of this IE is dependent on IXIT
			statements in TS 34.123-2. If ciphering is
			indicated to be active, this IE present with the
			values of the sub IEs as stated below. Else, this IE is omitted.
1	- Ciphering mode command		Start/restart
	- Ciphering algorithm		UEA0 or UEA1. The indicated algorithm must be
ı	Ciprioring digonalin		one of the algorithms supported by the UE as
			indicated in the IE "security capability" in the
			RRC CONNECTION SETUP COMPLETE
			message.
	- Ciphering activation time for DPCH		Not Present
l	- Radio bearer downlink ciphering activation time		
ı	info - Radio bearer activation time		
	- RB identity		1
	- RLC sequence number		Current RLC SN+2
	- RB identity		2
	- RLC sequence number		Current RLC SN+2
	- RB identity		3
	- RLC sequence number		Current RLC SN + 2
	- RB identity - RLC sequence number		Current RLC SN + 2
	Integrity protection mode info		Odnent NEO ON + Z
	- Integrity protection mode command		Start
	- Downlink integrity protection activation info		Not Present
	- Integrity protection algorithm		UIA1
	- Integrity protection initialisation number		SS selects an arbitrary 32 bits number for
			FRESH.
			The first/ leftmost bit of the bit string contains the
ı	CN domain identity		most significant bit of the FRESH. CS or PS
	UE system specific security capability	<u>A1</u>	Not PresentChecked
	UE system specific security capability	A2	
	- Inter-RAT UE security capability		
	- CHOICE system		<u>GSM</u>
	- GSM security capability		The indicated algorithms must be the same as
			the algorithms supported by the UE as indicated
			in the IE " UE system specific capability " in the
			RRC CONNECTION SETUP COMPLETE
			message.

<u>Condition</u>	<u>Explanation</u>
<u>A1</u> <u>A2</u>	UE not supporting GSM
<u>A2</u>	<u>UE supporting GSM</u>

<Start of next modified section>

9.1.2 Default RRC Message Contents (TDD)

.....

<Start of next modified desection>

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	0
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
 UE radio access FDD 	FALSE
capability update requirement	
- UE radio access TDD	TRUE
capability update requirement	
- System specific capability update requirement list	gsm GSM

Information Element	Value/remark
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	Troch Todon
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
 Number of RLC logical channels Uplink transport channel type 	1 DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	•
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	1
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- MAC logical channel priority	1
- Downlink RLC logical channel info	'
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
 Logical channel identity 	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	AMPLO
 CHOICE Uplink RLC mode Transmission RLC discard 	AM RLC
- SDU discard mode	No Discard
- MAX_DAT	15
- IVIAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i resent
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
	2
- Logical channel identity	
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
 MAC logical channel priority 	2
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	·
- Timer_poll_prohibit	200
- Timer_poli_profilibit - Timer_poll	200
- Poll_PDU	Not present
- רטוו_רטט	וזטו טובפבווו

Information Element	Value/remark		
- Poll_SDU	1		
- Last transmission PDU poll	TRUE		
- Last retransmission PDU poll	TRUE		
- Poll_Windows	99		
- Timer_poll_periodic	Not Present		
- CHOICE Downlink RLC mode	AM RLC		
- In-sequence delivery	TRUE		
- Receiving window size	128		
- Downlink RLC status info			
- Timer_status_prohibit	200		
- Timer_EPC	Not Present		
 Missing PDU indicator 	TRUE		
 Timer_STATUS_periodic 	Not Present		
- RB mapping info			
 Information for each multiplexing option 	2 RBMuxOptions		
 RLC logical channel mapping indicator 	Not Present		
 Number of RLC logical channels 	1		
 Uplink transport channel type 	DCH		
 UL Transport channel identity 	5		
- Logical channel identity	3		
- CHOICE RLC size list	Configured		
- MAC logical channel priority	3		
- Downlink RLC logical channel info			
 Number of RLC logical channels 	1		
- Downlink transport channel type	DCH		
- DL DCH Transport channel identity	10		
- DL DSCH Transport channel identity	Not Present		
- Logical channel identity	3		
- RLC logical channel mapping indicator	Not Present		
- Number of RLC logical channels	1		
- Uplink transport channel type	RACH		
- UL Transport channel identity	Not Present		
- Logical channel identity	3		
- CHOICE RLC size list	Explicit List		
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps		
MAC legisel about al milerity	signalling radio bearer		
- MAC logical channel priority	3		
- Downlink RLC logical channel info	4		
- Number of RLC logical channels	1 FACH		
 Downlink transport channel type DL DCH Transport channel identity 	Not Present		
- DL DSCH Transport channel identity	Not Present		
- Logical channel identity	3		
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)		
- RB identity	Not Present		
- CHOICE RLC info type			
- RLC info			
- CHOICE Uplink RLC mode	AM RLC		
- Transmission RLC discard			
- SDU discard mode	No discard		
- MAX_DAT	15		
_			
- Transmission window size	128		
- Timer_RST	500		
- Max_RST	1		
- Polling info			
- Timer_poll_prohibit	200		
- Timer_poll	200		
- Poll_PDU	Not present		
-			

Information Floreaut	Valuatramark
Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_Status_profilibit	Not Present
	TRUE
- Missing PDU indicator	
- Timer_STATUS_periodic	Not Present
- RB mapping info	0 BBM 0 //
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	·
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
	Not Present
- DL DSCH Transport channel identity	4
- Logical channel identity	4
UL Transport channel information for all transport	
channels	N · B
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
 Allowed Transport Format combination 	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information	BOLL
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	

Information Element Value/remark - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport format information - RLC size According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer - Number of TBs and TTI lists (This IE is repeated for TFI number) According to TS34.108 clause 6 for standalone 13.6 kbps - Transmission Time Interval signalling radio bearer

signalling radio bearer

- Number of Transport blocks
- CHOICE Logical channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size

DL Transport channel information common for all transport channel

- SCCPCH TFCS
- CHOICE mode
- CHOICE DL parameters

Added or Reconfigured TrCH information list

- Added or Reconfigured DL TrCH information
 - Downlink transport channel type
 - DL Transport channel identity

 - CHOICE DL parameters - Uplink transport channel type
 - UL Transport channel identity
 - -DCH quality target
 - BLER Quality target

Frequency info

Maximum allowed UL TX power

HOICE channel requirement

- Uplink DPCH power control info
 - CHOICE mode
 - UL Target SIR
 - CHOICE UL OL PC info
 - Uplink Timing Advance Control
 - UL CCTrCH List
 - TFCS Id
 - Time info
 - Activation time
 - Duration
 - Common timeslot info
 - 2nd interleaving mode
 - TFCI coding
 - Puncturing Limit
 - Repetition Period
 - Repetition Length
 - First individual timeslot info
 - Timeslot number
 - TFCI existence
 - Midamble shift and burst type
 - -CHOICE Burst Type
 - -Type 1
 - -Midamble Allocation Mode
 - Midamble configuration burst

type 1 and 3

- First timeslot channelisation codes

According to TS34.108 clause 6 for standalone 13.6 kbps

According to TS34.108 clause 6 for standalone 13.6 kbps

signalling radio bearer According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

Not Present **TDD**

Same as UL

DCH

10

Same as UL

DCH 5

-6.3

Not Present

Not Present

Uplink DPCH info

Reference to TS34.108 Parameter set.

Individually signalled

Not Present

(256+CFN-(CFN MOD 8 + 8))MOD 256

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set

The number of an uplink timeslot that has unassigned codes.

TRUE

Default

As defined in 3GPP TS 25.221

Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.

Information Element	Value/remark
- Channelisation code	(i/SF) where i denotes an unassigned code
- Onannensauon code	matching the SF specified in TS34.108 clause
	6 Parameter Set.
- CHOICE more timeslots	The presence of this IE depends upon the
OTTOTOL MICTO MITTOGRAM	number of resources specified in TS34.108
	section 6 and the number of slots in which they
	are being assigned.
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
 CFN-targetSFN frame offset 	Not Present
 Downlink DPCH power control information 	
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	TDD
- Choice mode	TDD
- Primary CCPCH info - CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	Ů
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2 _{nd} interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
 Repetition length Downlink DPCH timeslots and codes 	Empty
- Downlink DPCH timeslots and codes - Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has
- Timesiot number	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	
- First timeslot channelisation codes	(105)
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
- Last channelisation code	TS34.108 clause 6 Parameter Set
- Last Grannensation Code	(j/SF) where j is the highest numbered code
- Bitmap	that is being assigned in the slot. Bitmap of the codes that are being assigned in
- υιιπαρ	the slot.
	uio siot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP COMPLETE message: $\ensuremath{\mathsf{AM}}$

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

II	Information Element	Condition	Value/remark
\prod	Message Type	A1, A2	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and
			3
	Integrity check info		
	 Message authentication code 		Set to an arbitrarily selected 32-bits integer.
			The first/ leftmost bit of the bit string contains
			the most significant bit of the MAC-I.
	- RRC Message Sequence Number		Set to an arbitrarily selected integer between
			0 and 15
	Security capability		
	 Ciphering algorithm capability 		
	- UEA0		If ciphering is not indicated to be active on
			IXIT statements in TS 34.123-2, set this IE
			to TRUE.
	- UEA1		If ciphering is indicated to be active on IXIT
			statements in TS 34.123-2, set this IE to
			TRUE.
	- Spare		FALSE
IJ	 Integrity protection algorithm capability 		000000000000010B (UIA1)
	- UIA1		TRUE
IJ	- Spare		FALSE
	Ciphering mode info		This presence of this IE is dependent on
			IXIT statements in TS 34.123-2. If ciphering
			is indicated to be active, this IE present with
			the values of the sub IEs as stated below.
			Else, this IE is omitted.
	- Ciphering mode command		Start/restart
l	- Ciphering algorithm		Use the same ciphering algorithm specified
			in "ciphering algorithm capability" IE in this
1			message.
	- Ciphering activation time for DPCH		Not Present
	- Radio bearer downlink ciphering activation time info		
	- Radio bearer activation time		
	- RB identity		Commont DLC CN C
	- RLC sequence number		Current RLC SN+2
IJ	- RB identity		2 Current RLC SN+2
IJ	- RLC sequence number		3
IJ	- RB identity		
	- RLC sequence number		Current RLC SN + 2
	RB identityRLC sequence number		Current RLC SN + 2
	Integrity protection mode info		Ourient NEO ON T Z
IJ	- Integrity protection mode command		Start
	Downlink integrity protection activation info		Not Present
IJ	- Integrity protection algorithm		UIA1
IJ	- Integrity protection initialisation number		SS selects an arbitrary 32 bits number for
1			FRESH.
			The first/ leftmost bit of the bit string contains
			the most significant bit of the FRESH.
H	CN domain identity		Supported domain
ij	UE system specific security capability	A1	Not Present Checked
ij	UE system specific security capability	<u>A2</u>	
IJ	- Inter-RAT UE security capability	_	
IJ	- CHOICE system		<u>GSM</u>
IJ	- GSM security capability		The indicated algorithms must be the same
IJ			as the algorithms supported by the UE as
			indicated in the IE " UE system specific
IJ			capability " in the RRC CONNECTION
			SETUP COMPLETE message.

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	UE not supporting GSM
<u>A1</u> <u>A2</u>	UE supporting GSM

<Start of next modified section>

9.2 Default Message Contents for RF

This clause contains the default values of common messages for RF test. The parameters of the UL/DL reference measurement channel 12.2kbps, the DL reference measurement channel for BTFD, UE test loop mode 1 without Dummy DCCH transmission and UE test loop mode 2 with Dummy DCCH transmission are set to default message contents.

9.2.1 Default Message Contents for RF (FDD)

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<Start of next modified default message>

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	TRUE
requirement	
- UE radio access TDD capability update	FALSE
requirement - System specific capability update requirement list	GSM Gsm
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE VEIGHT type - CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
	OWKLC
- RB mapping info	2 DDM:wOntions
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	DCH
- Uplink transport channel type	
- UL Transport channel identity - Logical channel identity	5
- CHOICE RLC size list	Configured
- MAC logical channel priority	Configured
- Downlink RLC logical channel info	1
- Number of RLC logical channels	
Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Flesent
- RLC logical channel mapping indicator	Not Present
Number of RLC logical channels	Not Flesent
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Use transport charmer identity - Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
	Therefore to 1994, 100 clause 0 Farallieler Set
- MAC logical channel priority	
- Downlink RLC logical channel info	
- Number of RLC logical channels	EACH
- Downlink transport channel type	FACH

Information Floreaut	Valuationali
Information Element	Value/remark
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1 (AM BOOLI (BBO)
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	AM DLC
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	No Disposed
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	200
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
Logical channel identity	2
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99 Not Broomt
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	200
- Timer_status_prohibit	200 Not Procent
- Timer_EPC	Not Present TRUE
Missing PDU indicator Timer, STATUS, periodic	Not Present
- Timer_STATUS_periodic- RB mapping info	INOUT LESSELL
- RB mapping into - Information for each multiplexing option	2 RBMuxOptions
- Information for each multiplexing option - RLC logical channel mapping indicator	Not Present
Number of RLC logical channels	1
- Uplink transport channel type	DCH
-UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1 5001
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present

Information Element	Value/remark
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99 Not Present
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	300
- Timer_status_prohibit	200 Not Present
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 DRMuyOntions
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
 Number of RLC logical channels Uplink transport channel type 	1 DCH
- UL Transport channel identity - UL Transport channel identity	5
Logical channel identity Logical channel identity	5
- Logical channel identity - CHOICE RLC size list	Configured
MAC logical channel priority	4
Downlink RLC logical channel info	[
Number of RLC logical channels	1
Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
,	

Information Element	Value/remark
UL Transport channel information for all transport	Valaoroman
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit CTFC
- CTFC information	2 TFCs
- 2bit CTFC	0
 Power offset Information 	
- CHOICE Gain Factors	computedGainFactors
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
- 2bit CTFC	1
 Power offset Information 	
- CHOICE Gain Factors	signalledGainFactors
- CHOICE mode	FDD
- Gain factor ßc	15
- Gain factor ßd	15
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information list	1
- Added or Reconfigured UL TrCH information	
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport Format Information	
- RLC size	96 bits
- Number of TBs and TTI List	2
- Transmission Time Interval	Not Present
- Number of Transport blocks	U Not Drocout
- Transmission Time Interval	Not Present
- Number of Transport blocks	ALL
 CHOICE Logical Channel List Semi-static Transport Format Information 	ALL
- Transmission time interval	40
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	256
- CRC size	12
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured DL TrCH information list	1
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	SameasUL
- Uplink transport channel type	DCH

Information Element	Value/remark
- UL TrCH Identity	5
- DCH quality target	2.0
- BLER Quality value	-2.0
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	o ID
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P Pilot-DPDCH	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	[8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for per radio links list	
-Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	100
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- CHOICE mode	FDD
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	256
- Code number	0
- Scrambling code change	Not present
- TPC combination index	0
- SSDT Cell Identity	Not Present

Information Element	Value/remark
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Message Type RRC transaction identifier Integrity check info - Message authentication code Set to an arbitrarily selected 32-bits integer first/ leftmost bit of the bit string contains the most significant bit of the bit string contains the most significant bit of the bit string contains the most significant bit of the MAC-I. Set to an arbitrarily selected 32-bits integer first/ leftmost bit of the bit string contains the most significant bit of the bit string contain	
Integrity check info - Message authentication code - RRC Message Sequence Number Security capability - Ciphering algorithm capability - UEA0 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info Ciphering mode info - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RD sequence n	
- Message authentication code - RRC Message Sequence Number - Ciphering algorithm capability - UEA0 - UEA1 - UEA1 - UEA1 - UEA1 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare - Ciphering mode info - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RCC sequence number - RB ident	3
FRC Message Sequence Number - RRC Message Sequence Number Security capability - Ciphering algorithm capability - UEA0 - UEA1 - UEA1 - UEA1 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare - Integrity protection algorithm capability - Ciphering mode info Ciphering mode info - Ciphering algorithm	The
RRC Message Sequence Number Security capability Ciphering algorithm CEA1 in the IE "security capability Ciphering mode compand Ciphering mode info Ciphering algorithm capability Ciphering mode info Ciphering algorithm capability Ciphering mode info Ciphering algorithm capability Ciphering mode command Ciphering algorithm capability Ciphering algorithm capability Ciphering mode command Ciphering algorithm capability Ciphering algorithm capability Ciphering algorithm capability Ciphering mode command Ciphering algorithm capability Ciphering algorithm	
Security capability - Ciphering algorithm capability - UEA0 - UEA1 - UEA1 - UEA1 - UEA1 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info - Ciphering and command - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time - RB identity - RLC sequence number - RB identity -	
Security capability	n 0
- Ciphering algorithm capability - UEA0 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info - Ciphering algorithm - Radio bearer activation time - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC seque	
- UËA0 - UËA0 - UËA0 - UËA1 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info - Ciphering mode info - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC seq	
the RRC CONNECTION SETUP COMPLE message, this IE is set to TRUE. If the UE has indicated support for cipherir algorithm UEA1 in the IE "security capabilit the RRC CONNECTION SETUP COMPLE message, this IE is set to TRUE. Spare Integrity protection algorithm capability UIA1 Spare Ciphering mode info Ciphering mode info Ciphering mode command Ciphering algorithm Ciphering algorithm Ciphering algorithm Ciphering algorithm Ciphering algorithm Ciphering algorithm Ciphering activation time for DPCH Radio bearer activation time info RB identity RLC sequence number RB identity RC CONNECTION SETUP COMPLETE RB identity RC CONNECTION SETUP RD indicated to the activation on Identity values of the sub IEs as stated below. Els RB identity RC CONNECTION SETU	
message, this IE is set to TRUE. If the UE has indicated support for cipherin algorithm UEA1 in the IE 'security capabilithe RRC CONNECTION SETUP COMPLE message, this IE is set to TRUE. Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info Ciphering mode info Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC sequence numbe	
- UEA1 - UEA1 - UEA1 - UEA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info - Ciphering mode command - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC	IE
algorithm UEA1 in the IE "security capabilithe RRC CONNECTION SETUP COMPLET message, this IE is set to TRUE. Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info	r
- Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info - Ciphering mode command - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity	
- Spare - Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info Ciphering mode info Ciphering mode command - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC sequence n	ſΕ
- Integrity protection algorithm capability - UIA1 - Spare Ciphering mode info Ciphering mode info Ciphering mode command - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC SN + 2 - RB identity - RLC SN + 2 - RB identity - RLC SN + 2 -	
- UIA1 - Spare Ciphering mode info TRUE Spare 0 and Spare 2-15 = FALSE This presence of this IE is dependent on ID statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with values of the sub IEs as stated below. Else IE is omitted. - Ciphering and command - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC sequ	
Ciphering mode info This presence of this IE is dependent on D statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with values of the sub IEs as stated below. Else IE is omitted. - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection algorithm This presence of this IE is dependent on D statements in TS 34.123-2. If ciphering is indicated to be active, this IE is dependent on D statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with values of the sub IEs as stated below. Else IE is omitted. Start/restart UEA0 or UEA1. The indicated algorithm mone of the algorithms supported by the UE indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Not Present 1	
statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with values of the sub IEs as stated below. Else IE is omitted. - Ciphering and command - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection algorithm statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with values of the sub is indicated to be active, this IE present with values of the sub is indicated to be active, this IE present with values of the sub is indicated to be active, this IE present with values of the sub is indicated to be active, this IE present with values of the sub is indicated to be active, this IE present with values of the sub ie indicated algorithm mone of the algorithm u	
indicated to be active, this IE present with values of the sub IEs as stated below. Else IE is omitted. - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC SN+2 - Current RLC SN+2 - Current RLC SN + 2 - Current RLC SN	iT
values of the sub IEs as stated below. Else IE is omitted. Start/restart UEA0 or UEA1. The indicated algorithm one of the algorithms supported by the UE indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Ciphering activation time for DPCH Radio bearer activation time info Radio bearer activation time RRC Sequence number RB identity RLC sequence number RB identity RC Current RLC SN + 2 Current RLC SN + 2 Current RLC SN + 2 Start Current RLC SN + 2 Not Present Values of the sub IEs as stated below. Else IE is omitted. Start/restart UEA0 or UEA1. The indicated algorithm one of the Alg	20
Ciphering mode command	
- Ciphering algorithm - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm UIA1	
one of the algorithms supported by the UE indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm one of the algorithms supported by the UE indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Not Present 1	
indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC SN+2 - STATE - Varient RLC SN + 2 - Varient RLC S	
RRC CONNECTION SETUP COMPLETE message. - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm	
- Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection activation info - Integrity protection algorithm Not Present Not Present Current RLC SN+2 2 Current RLC SN + 2 Current RLC SN + 2 Start Not Present UIA1	
- Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm - Integrity protection algorithm	
info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm 1 Current RLC SN+2 Current RLC SN + 2 Current RLC SN + 2 Current RLC SN + 2 Start Not Present UIA1	
- Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm	
- RLC sequence number - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm Current RLC SN+2 - Current RLC SN + 2 - Current RLC SN	
- RB identity - RLC sequence number - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm 2 Current RLC SN + 2 4 Current RLC SN + 2 Start Not Present UIA1	
- RLC sequence number - RB identity - RLC sequence number - RB identity - RB identity - RLC sequence number - RLC sequence number - RLC sequence number - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm - Current RLC SN + 2 - Current RLC	
- RB identity - RLC sequence number - RB identity - RLC sequence number - RLC sequence number Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm 3 Current RLC SN + 2 Current RLC SN + 2 Start Not Present UIA1	
- RB identity - RLC sequence number Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm 4 Current RLC SN + 2 Start Not Present UIA1	
- RLC sequence number Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm Current RLC SN + 2 Start Not Present UIA1	
Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm Start Not Present UIA1	
- Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm Start Not Present UIA1	
- Downlink integrity protection activation info - Integrity protection algorithm Not Present UIA1	
FRESH.	
The first/ leftmost bit of the bit string conta	is the
most significant bit of the FRESH.	
CN domain identity CS or PS UE system specific security capability A1 Not Present Checked	
UE system specific security capability A1 Not Present Checked A2	
- Inter-RAT UE security capability	
- CHOICE system GSM	
- GSM security capability The indicated algorithms must be the same the algorithms must be the algorithms must be the same the algorithms must be the algorithms must be the same the algorithms must be allowed in the algorithms must be allo	as at a d
the algorithms supported by the UE as ind in the IE " UE system specific capability " i	
RRC CONNECTION SETUP COMPLETE	ti io
message.	

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	UE not supporting GSM
<u>A1</u> <u>A2</u>	<u>UE supporting GSM</u>

<Start of next modified section>

9.2.2 Default Message Contents for RF (TDD)

.....

<Start of next modified default message>

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
·	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
· · · · · · · · · · · · · · · · · · ·	9
Capability update requirement	FALCE
- UE radio access FDD capability update	FALSE
requirement	TRUE
- UE radio access TDD capability update	TRUE
requirement	2010
- System specific capability update requirement list	<u>GSM</u> Gsm
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
	1
- Logical channel identity	
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
 MAC logical channel priority 	1

Information Element	Value/remark
- Downlink RLC logical channel info	Value/Terrial K
- Number of RLC logical channels	1
Downlink transport channel type	FACH
· · · · · · · · · · · · · · · · · · ·	Not Present
- DL DCH Transport channel identity	
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i lesent
	2 RBMuxOptions
Information for each multiplexing optionRLC logical channel mapping indicator	Not Present
Number of RLC logical channels	1
Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2 Confirmed
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
 MAC logical channel priority 	2
- Downlink RLC logical channel info	

Information Element	Value/remark
- Number of RLC logical channels	Value/remark
Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
	Not Present
- DL DSCH Transport channel identity	
- Logical channel identity	(ANA DOOLL for NIAC DT High principle)
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	THOU TOOM
Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
Number of RLC logical channels	1
- Uplink transport channel type	DCH
-UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
 MAC logical channel priority 	3
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1

Information Element	Value/remark
- Downlink transport channel type	FACH
DOWNINK transport channel type DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	Not Flesent
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	AWINEO
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	7
- Timer_poll_prohibit	200
- Timer_poll_profilibit - Timer_poll	200
•	Not Present
- Poll_PDU - Poll_SDU	1
- Poll_SDU - Last transmission PDU poll	TRUE
- Last transmission PDU poll	TRUE
- Poll Windows	99
- Timer_poll_periodic	Not Present
- rimer_poir_periodic - CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i lesent
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
 MAC logical channel priority 	4
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
- Downlink transport channel type	FACH

Information Element	Value/remark
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	TDD
-Individual UL CCTrCH information	
- UL TFCS ID	(This IE is repeated for TFC number.)
- UL TFCS	(This is repeated for 11 C humber.)
- TFC subset	Default value is the complete existing set of transport
11 0 000000	format combinations
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
7 mowed Transport Format combination	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
- CTFC information	Refer to TS34.108 clause 6 Parameter Set Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information list	1
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	l ³
	Dadicated transport shappels
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport Format Information	Appareling to TC24 400 players C
- RLC size	According to TS34.108 clause 6
- Number of TBs and TTI List	(This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured DL TrCH information list	1
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH Identity	5
- DCH quality target	
- BLER Quality value	Reference to TS 34.108
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	-1
- CHOICE mode	TDD
- UL target SIR	Reference to TS34.108 Parameter set
- CHOICE mode	TDD
- OHOIOL HIOUE	

Information Element	Value/remark					
- CHOICE UL OL PC info	Individually signalled					
- Individual timeslot interference info	Not Present					
- Individual timeslot interference						
- DPCH Constant Value						
- Primary CCPCH Tx Power	Not Present					
- Time info	THE					
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256					
- Duration	Infinite					
- Common timeslot info	THIRD.					
- 2nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set					
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set					
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set					
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set					
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set					
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes					
- CPCH SET Info	(no data)					
Downlink information common for all radio links	(no data)					
- Downlink DPCH info common for all RL						
- Timing Indication	Initialise					
- CFN-targetSFN frame offset	Not Present					
- Downlink DPCH power control information	Not i resent					
- DPC mode	0 (single)					
- CHOICE mode	TDD (no data)					
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512					
Downlink information for per radio links list	Arbitrary set to value 0300000 by step of 312					
-Downlink information for each radio links						
- CHOICE mode	TDD					
- Primary CCPCH info	100					
- CHOICE SyncCase	Sync Case 1					
- Timeslot	PCCPCH timeslot					
- Cell parameters ID	0					
- SCTD indicator						
- Downlink DPCH info for each RL						
- CHOICE mode	TDD					
- DL CCTrCH List	.55					
- TFCS ID	1					
- Time info						
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256					
- Duration	Infinite					
- Common timeslot info						
- 2nd interleaving mode	Reference to TS34.108					
- TFCI coding	TRUE					
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set					
- Repetition period	1					
- Repetition length	Empty					
- Downlink DPCH timeslots and codes						
- CHOICE more timeslots						
- Timeslot number	The number of a downlink timeslot that has					
- Individual timeslot info	unassigned codes in a frame.					
- Individual timeslot into	TRUE					
- Midamble shift and burst type	1102					
-CHOICE Burst Type						
-Type 1						
-Midamble Allocation Mode	Default					
- Midamble configuration burst	As defined in 3GPP TS 25.221					
type 1 and 3						
- First timeslot channelisation codes - First channelisation code	(i/SF) where i is the lowest numbered code					
i iist onamichation code	that is being assigned and SF is specified in					
	, and and a second as the about the second at the					

Information Element	Value/remark
	TS34.108 clause 6 Parameter Set
 Last channelisation code 	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Ιſ	Information Element	Condition	Value/remark
	Message Type	A1, A2	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
	Integrity check info - Message authentication code		Sat to an arbitrarily salacted 32 bits integer
I	- Message authernication code		Set to an arbitrarily selected 32-bits integer. The first/ leftmost bit of the bit string contains
			the most significant bit of the MAC-I.
	- RRC Message Sequence Number		Set to an arbitrarily selected integer between 0
	0 7 1 177		and 15
	Security capability - Ciphering algorithm capability		
	- UEA0		If the UE has indicated support for ciphering
•			algorithm UEA0 in the IE "security capability"
			in the RRC CONNECTION SETUP
	115.44		COMPLETE message, this IE is set to TRUE.
Į	- UEA1		If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability"
			in the RRC CONNECTION SETUP
			COMPLETE message, this IE is set to TRUE.
	- Spare		Spare 2-15 = FALSE
	 Integrity protection algorithm capability UIA1 		000000000000010B (UIA1) TRUE
	- UIAT - Spare		Spare 0 and Spare 2-15 = FALSE
	Ciphering mode info		This presence of this IE is dependent on IXIT
			statements in TS 34.123-2. If ciphering is
			indicated to be active, this IE present with the
			values of the sub IEs as stated below. Else, this IE is omitted.
I	- Ciphering mode command		Start/restart
	- Ciphering algorithm		UEA0 or UEA1. The indicated algorithm must
			be one of the algorithms supported by the UE
			as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE
			message. Use the same ciphering algorithm
			specified in "ciphering
	- Ciphering activation time for DPCH		Not Present
I	 Radio bearer downlink ciphering activation time info 		
l	- Radio bearer activation time		
	- RB identity		1
	- RLC sequence number		Current RLC SN+2
	- RB identity		2 Current RLC SN+2
	RLC sequence numberRB identity		3
	- RLC sequence number		Current RLC SN + 2
	- RB identity		4
	- RLC sequence number Integrity protection mode info		Current RLC SN + 2
	- Integrity protection mode command		Start
	 Downlink integrity protection activation info 		Not Present
	- Integrity protection algorithm		UIA1
	- Integrity protection initialisation number		SS selects an arbitrary 32 bits number for FRESH.
			The first/ leftmost bit of the bit string contains
			the most significant bit of the FRESH.
	CN domain identity		CS or PS
	UE system specific security capability UE system specific security capability	A1	Not Checked
	- Inter-RAT UE security capability	<u>A2</u>	
	- CHOICE system		GSM
	- GSM security capability		The indicated algorithms must be the same as
			the algorithms supported by the UE as indicated in the IE " UE system specific
			capability " in the RRC CONNECTION SETUP
			COMPLETE message.
-			

Condition	<u>Explanation</u>
A1 A2	UE not supporting GSM
<u>A2</u>	UE supporting GSM

3GPP TSG-T WG1 Meeting #21 Budapest, Hungary, November 3rd-7th, 2003

Budapest, Hungary, November 3°-7°, 2003												
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Reason for change:

The default message for SECURITY MODE COMMAND is not consistent with the default message for RRC CONNECTION SETUP.

The default message for RRC CONNECTION SETUP and IE "Capability update requirement" for CELL_FACH and CELL_DCH case is not aligned. Normal behaviour of network is to request UE capability in the RRC CONNECTION SETUP message.

Rel-5

Rel-6

(Release 5)

(Release 6)

Summary of change: **Clause 9.1.1 - Default RRC Message Contents (FDD):

be found in 3GPP TR 21.900.

1. RRC CONNECTION SETUP message: UM (Transition to CELL_DCH):

Editorial changes

2. RRC CONNECTION SETUP message: UM (Transition to CELL FACH):

Changed IE "Capability update requirement" form "Not Present" to indicating that UE is to provide radio access capabilities for FDD and GSM (as is done for CELL_DCH case)

- 3. SECURITY MODE COMMAND message: AM:
 - a. Introduced conditions A1 (UE not supporting GSM) and A2 (UE supporting GSM).
 - b. Introduced conditional values for IE "UE system specific security

capability" depending on conditions depending on UE support of GSM or not. For the case the UE supports GSM then GSM security capability information is included, else the IE is marked as "Not Present"

Clause 9.1.2 - Default RRC Message Contents (TDD):

- 4. RRC CONNECTION SETUP message: UM (Transition to CELL_DCH) (3.84 Mcps TDD option):
 - a. Removed comment "Not Present" from IE "Capability update requirement"
 - b. Editorial changes
- 5. RRC CONNECTION SETUP message: UM (Transition to CELL_DCH) (1.28 Mcps TDD option):

Same change as for RRC CONNECTION SETUP message for 3.84 Mcps TDD option.

6. SECURITY MODE COMMAND message: AM:

Same change as for the default message for FDD, see above.

Clause 9.2.1 - Default Message Contents for RF (FDD):

7. RRC CONNECTION SETUP message: UM:

Editorial changes

8. SECURITY MODE COMMAND message: AM:

Same change as for the RRC default message for FDD, see above.

Clause 9.2.2 - Default Message Contents for RF (TDD):

9. RRC CONNECTION SETUP message: UM (3.84 Mcps TDD):

Editorial changes

10. RRC CONNECTION SETUP message: UM (1.28 Mcps TDD):

Editorial changes

11. SECURITY MODE COMMAND message: AM:

Same change as for the RRC default message for FDD, see above.

Consequences if not approved:

Inconsistent specification of default messages remains.

Clauses affected:	\mathbb{H}	9.1.1	, 9.1.2, 9.2.1 and 9.2.2		
Other specs affected:	*	X	Other core specifications Test specifications O&M Specifications	ж	

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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 ftp://ftp.3gpp.org/specs/ 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.

9 Default Message Contents

9.1 Default Message Contents for Signalling

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<First modified default message>

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark				
Message Type					
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in				
· · · · · · · · · · · · · · · · · · ·	received RRC CONNECTION REQUEST" message				
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3				
Activation time	Not Present(Now)				
New U-RNTI	,				
- SRNC identity	0000 0000 0001B				
- S-RNTI	0000 0000 0000 0000 0001B				
New C-RNTI	Not present				
RRC State Indicator	CELL_DCH				
UTRAN DRX cycle length coefficient	9				
Capability update requirement					
- UE radio access FDD capability update	TRUE				
requirement					
- UE radio access TDD capability update	FALSE				
requirement	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
- System specific capability update requirement list	GSM Gsm				
Signalling RB information to setup	(UM DCCH for RRC)				
- RB identity	Not Present				
- CHOICE RLC info type	1100111				
- RLC info					
- CHOICE Uplink RLC mode	UM RLC				
- Transmission RLC discard	Not Present				
- CHOICE Downlink RLC mode	UM RLC				
- RB mapping info	OWINEO				
- Information for each multiplexing option	2 RBMuxOptions				
- RLC logical channel mapping indicator	Not Present				
- Number of RLC logical channels	1				
- Uplink transport channel type	DCH				
- UL Transport channel identity	5				
- Logical channel identity	1				
- CHOICE RLC size list	Configured				
MAC logical channel priority	1				
- Downlink RLC logical channel info					
Number of RLC logical channels	1				
- Normber of REC logical charmers - Downlink transport channel type	DCH				
DOWNINK transport channel type DL DCH Transport channel identity	10				
- DL DSCH Transport channel identity - DL DSCH Transport channel identity	Not Present				
- DE DSCH Transport channel identity - Logical channel identity	1				
RLC logical channel mapping indicator	Not Present				
Number of RLC logical channels	1				
Uplink transport channel type	RACH				
- UL Transport channel identity	Not Present				
- DE Transport Charmer Identity - Logical channel identity	1				
- CHOICE RLC size list	Explicit List				
- CHOICE RLC SIZE IIST - RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone				
- IVEO SIZE ITIUEX	13.6 kbps signalling radio bearer)				
- MAC logical channel priority	10.0 kbps signalling radio beater)				
 MAC logical channel priority Downlink RLC logical channel info 					
	1				
- Number of RLC logical channels	I I I I I I I I I I I I I I I I I I I				
- Downlink transport channel type	FACH Not Procent				
- DL DCH Transport channel identity	Not Present				

Information Element	Value/remark	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
Signalling RB information to setup	(AM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type - RLC info		
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard	AWINEO	
- SDU discard mode	No discard	
- MAX_DAT	15	
- Transmission window size	32	
- Timer_RST - Max_RST	500	
- Polling info	'	
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_PDU	Not Present	
- Poll_SDU	1	
 Last transmission PDU poll Last retransmission PDU poll 	TRUE TRUE	
- Poll_Window	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	32	
Downlink RLC status infoTimer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info	0.0014	
 Information for each multiplexing option RLC logical channel mapping indicator 	2 RBMuxOptions Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	1 DCH	
- UL Transport channel identity	5	
- Logical channel identity	2	
- CHOICE RLC size list	Configure	
 MAC logical channel priority Downlink RLC logical channel info 	2	
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
 DL DCH Transport channel identity 	10	
- DL DSCH Transport channel identity	Not Present	
 Logical channel identity RLC logical channel mapping indicator 	2 Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
 UL Transport channel identity 	Not Present	
- Logical channel identity	2	
- CHOICE RLC size list	Explicit List	
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- MAC logical channel priority	2	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH Not Procent	
 DL DCH Transport channel identity DL DSCH Transport channel identity 	Not Present Not Present	
- Logical channel identity	2	
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)	
- RB identity	Not Present	
- CHOICE RLC info type		
- RLC info - CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard	, an INEO	
- SDU discard mode	No discard	

Information Element	Value/remark	
- MAX_DAT	15	
- Transmission window size	32	
- Timer_RST	500	
- Max_RST	1	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_PDU	Not present	
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Window	99 Not Present	
- Timer_poll_periodic - CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	32	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info		
 Information for each multiplexing option 	2 RBMuxOptions	
 RLC logical channel mapping indicator 	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	3	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	3	
- Downlink RLC logical channel info		
Number of RLC logical channels Downlink transport channel type	DCH	
- DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	3	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	3	
- CHOICE RLC size list	Explicit List	
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone	
	13.6 kbps signalling radio bearer)	
- MAC logical channel priority	3	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1 FACH	
 Downlink transport channel type DL DCH Transport channel identity 	Not Present	
- DL DCH Transport channel identity - DL DSCH Transport channel identity	Not Present	
- Logical channel identity	3	
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)	
- RB identity	Not Present	
- CHOICE RLC info type		
- RLC info		
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- SDU discard mode	No discard	
- MAX_DAT	15	
- Transmission window size	32	
- Timer_RST	500	
- Max_RST	1	
- Polling info	200	
- Timer_poll_prohibit	200	
- Timer_poll - Poll_PDU	200 Not present	
- Poll_PDU	Not present	
1 011_000	1.	

Information Element	Value/remark		
- Last transmission PDU poll	TRUE		
- Last retransmission PDU poll	TRUE		
- Poll_Window	99		
- Timer_poll_periodic	Not Present		
- CHOICE Downlink RLC mode	AM RLC		
- In-sequence delivery	TRUE		
- Receiving window size	32		
- Downlink RLC status info			
- Timer_status_prohibit	200		
- Timer_EPC	Not Present		
- Missing PDU indicator	TRUE		
- Timer_STATUS_periodic	Not Present		
- RB mapping info			
- Information for each multiplexing option	2 RBMuxOptions		
- RLC logical channel mapping indicator	Not Present		
 Number of RLC logical channels Uplink transport channel type 	DCH		
- UL Transport channel identity	15		
- Logical channel identity	4		
- CHOICE RLC size list	Configured		
- MAC logical channel priority	4		
- Downlink RLC logical channel info			
- Number of RLC logical channels	1		
- Downlink transport channel type	DCH		
- DL DCH Transport channel identity	10		
- DL DSCH Transport channel identity	Not Present		
- Logical channel identity	4		
- RLC logical channel mapping indicator	Not Present		
- Number of RLC logical channels			
 Uplink transport channel type UL Transport channel identity 	RACH Not Proport		
- Logical channel identity	Not Present 4		
- CHOICE RLC size list	Explicit List		
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone		
	13.6 kbps signalling radio bearer)		
- MAC logical channel priority	4		
- Downlink RLC logical channel info			
- Number of RLC logical channels	1		
 Downlink transport channel type 	FACH		
- DL DCH Transport channel identity	Not Present		
- DL DSCH Transport channel identity	Not Present		
Logical channel identity UL Transport channel information for all transport	4		
channels			
- PRACH TFCS	Not Present		
- CHOICE Mode	FDD		
- TFC subset	Nor Present		
- UL DCH TFCS			
- CHOICE TFCI signalling	Normal		
- TFCI Field 1 information			
- CHOICE TFCS representation	Addition		
- TFCS complete reconfigure			
- CHOICE CTFC Size	2bit CTFC		
- CTFC information	This IE is repeated for TFC numbers according to TS 34.108		
	clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)		
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6		
	kbps signalling radio bearer)		
- Power offset information			
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled		
	Gain Factors)		
- Gain factor ßc	11 (below 64 kbps)		
	9 (higher than 64 kbps)		
	(Not Present if the above is set to Computed Gain Factors)		
- Gain factor ßd	15		
- Reference TFC ID	(Not Present if the above is set to Computed Gain Factors)		
- Veleleling ILC ID	ĮV		

Information Element Value/remark - CHOICE mode **FDD** - Power offset Pp-m Not Present Added or Reconfigured UL TrCH information - Uplink transport channel type DCH - UL Transport channel identity - TFS - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport format information - RLC size According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - Number of TBs and TTI lists (This IE is repeated for TFI number) According to TS 34.108 clause 6.10.2.4.1.3 (standalone - Transmission Time Interval 13.6 kbps signalling radio bearer) - Number of Transport blocks According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CHOICE Logical channel list - Semi-static Transport Format information - Transmission time interval According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - Type of channel coding According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Coding Rate kbps signalling radio bearer) - Rate matching attribute According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - CRC size kbps signalling radio bearer) DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode FDD - CHOICE DL parameters Same as UL Added or Reconfigured DL TrCH information - Downlink transport channel type DCH - DL Transport channel identity 10 - CHOICE DL parameters Same as UL - Uplink transport channel type **DCH** - UL TrCH Identity - DCH quality target - BLER Quality value -2.0 Frequency info Not Present Maximum allowed UL TX power Not Present Uplink DPCH info - Uplink DPCH power control info - DPCCH power offset -6dB - PC Preamble 1 frame - SRB delay 7 frames Algorithm1 - Power Control Algorithm - TPC step size 1dB - Scrambling code type Long 0 (0 to 16777215) - Scrambling code number Not Present(1) - Number of DPDCH - Spreading factor According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - TFCI existence kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Number of FBI bit kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Puncturing Limit kbps signalling radio bearer)

Downlink information common for all radio links

- Downlink DPCH info common for all RL
- Timing Indication
- CFN-targetSFN frame offset
- CHOICE mode
- Downlink DPCH power control information
- DPC mode

Initialise Not Present

FDD

0 (single)

Information Element	Value/remark
- Power offset P Pilot-DPDCH	0
 DL rate matching restriction information 	Not Present
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
 Fixed or Flexible Position 	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- TFCI existence	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- CHOICE SF	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
 DPCH compressed mode info 	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for each radio links list	
- Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
 Downlink DPCH info for each RL 	
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	
 Secondary scrambling code 	1
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Code number	0
- Scrambling code change	Not Present
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH)

Information Element	Value/remark		
Message Type			
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in		
·	received RRC CONNECTION REQUEST" message		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		
Activation time	Not Present (Now)		
New U-RNTI			
- SRNC identity	0000 0000 0001B		
- S-RNTI	0000 0000 0000 0000 0001B		
New C-RNTI	0000 0000 0000 0001B		
RRC state indicator	CELL_FACH		
UTRAN DRX cycle length coefficient	9		
Capability update requirement	Not Present		
 UE radio access FDD capability update 	TRUE		
requirement			
 UE radio access TDD capability update 	<u>FALSE</u>		
<u>requirement</u>			
System specific capability update requirement list	GSM (TEXT)		
Signalling RB information to setup	(UM DCCH for RRC)		
- RB identity	Not present		
- CHOICE RLC info type	RLC info		
- CHOICE Uplink RLC mode	UM RLC		
- Transmission RLC discard	Not present		
- SDU discard mode	Not present		
- CHOICE Downlink RLC mode	UM RLC		
- RB mapping info	2 DDM: Ontions		
 Information for each multiplexing option 	2 RBMuxOptions		

Information Florent	Valuation and			
Information Element	Value/remark			
RLC logical channel mapping indicator Number of uplink RLC logical channels	Not Present 1			
- Uplink transport channel type	DCH			
- UL Transport channel identity	5			
- Logical channel identity	1			
- CHOICE RLC size list	Configured			
- MAC logical channel priority	1			
- Downlink RLC logical channel info	·			
- Number of downlink RLC logical channels	1			
- Downlink transport channel type	DCH			
- DL DCH Transport channel identity	10			
 DL DSCH Transport channel identity 	Not Present			
 Logical channel identity 	1			
- RLC logical channel mapping indicator	Not Present			
- Number of uplink RLC logical channels	1			
- Uplink transport channel type	RACH			
- UL Transport channel identity	Not Present 1			
- Logical channel identity - CHOICE RLC size list	Explicit list			
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1			
- MAC logical channel priority	1			
- Downlink RLC logical channel info	'			
- Number of downlink RLC logical channels	1			
- Downlink transport channel type	FACH			
- DL DCH Transport channel identity	Not Present			
- DL DSCH Transport channel identity	Not Present			
- Logical channel identity	1			
Signalling RB information to setup	(AM DCCH for RRC)			
- RB identity	Not Present			
- CHOICE RLC info type	RLC info			
- CHOICE Uplink RLC mode	AM RLC			
- Transmission RLC discard				
- SDU discard mode	No Discard			
- MAX_DAT	15 32			
- Transmission window size	500			
- Timer_RST - Max_RST	1			
- Polling info	1			
- Timer_poll_prohibit	200			
- Timer_poll	200			
- Poll_PDU	Not Present			
- Poll_SDU	1			
- Last transmission PDU poll	TRUE			
 Last retransmission PDU poll 	TRUE			
- Poll_Windows	99			
- Timer_poll_periodic	Not Present			
- CHOICE Downlink RLC mode	AM RLC			
- In-sequence delivery	TRUE			
- Receiving window size	32			
- Downlink RLC status info	200			
- Timer_status_prohibit - Timer_EPC	200 Not Present			
- Missing PDU indicator	TRUE			
- Timer_STATUS_periodic	Not Present			
- RB mapping info				
- Information for each multiplexing option	2 RBMuxOptions			
- RLC logical channel mapping indicator	Not Present			
- Number of uplink RLC logical channels	1			
- Uplink transport channel type	DCH			
 UL Transport channel identity 	5			
- Logical channel identity	2			
- CHOICE RLC size list	Configured			
- MAC logical channel priority	2			
- Downlink RLC logical channel info				
- Number of downlink RLC logical channels	1 DCH			
Downlink transport channel type DL DCH Transport channel identity	DCH 10			
- DE DOLL Hansport Glanner Identity	IU			

Information Element	Value/remark	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	2	
 RLC logical channel mapping indicator 	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	RACH Not Propert	
UL Transport channel identity Logical channel identity	Not Present 2	
- CHOICE RLC size list	Explicit list	
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1	
- MAC logical channel priority	2	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	FACH Not Present	
 DL DCH Transport channel identity DL DSCH Transport channel identity 	Not Present	
- Logical channel identity	2	
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)	
- RB identity	Not present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard - SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	32	
- Timer_RST	500	
- Max_RST	1	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll - Poll_PDU	200 Not Present	
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Windows	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode - In-sequence delivery	AM RLC TRUE	
- Receiving window size	32	
- Downlink RLC status info		
 Timer_status_prohibit 	200	
- Timer_EPC	Not Present	
- Missing PDU indicator- Timer_STATUS_periodic	TRUE	
- RB mapping info	Not Present	
- Information for each multiplexing option	2 RBMuxOptions	
 RLC logical channel mapping indicator 	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5 3	
Logical channel identity CHOICE RLC size list	3 Configured	
- MAC logical channel priority	3	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
 DL DCH Transport channel identity DL DSCH Transport channel identity 	10 Not Present	
- Logical channel identity	Not Present 3	
- RLC logical channel mapping indicator	Not Present	
 Number of uplink RLC logical channels 	1	
- Uplink transport channel type	RACH	
- UL DCH Transport channel identity	Not Present	
Logical channel identity CHOICE RLC size list	3 Explicit list	
- RLC size index	Explicit list According to TS34.108 clause 6.10.2.4.4.1	
- MAC logical channel priority	3	
- Downlink RLC logical channel info		

Information Element	Value/remark	
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
 DL DSCH Transport channel identity 	Not Present	
 Logical channel identity 	3	
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)	
- RB identity	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode - Transmission RLC discard	AM RLC	
- SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	32	
- Timer_RST	500	
- Max_RST	1	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200 Not Present	
- Poll_PDU - Poll_SDU	Not Present	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Windows	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	32	
- Downlink RLC status info	200	
- Timer_status_prohibit - Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info		
 Information for each multiplexing option 	2 RBMuxOptions	
 RLC logical channel mapping indicator 	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity - Logical channel identity	5 4	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	4	
- Downlink RLC logical channel info		
 Number of downlink RLC logical channels 	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
Logical channel identity RLC logical channel mapping indicator	4 Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	4	
- CHOICE RLC size list	Explicit list	
- RLC size index	According to TS34.108 clause 6.10.2.4.4.1	
- MAC logical channel priority	4	
Downlink RLC logical channel info Number of downlink RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	4	
UL Transport channel information for all transport		
channels	N. B.	
- PRACH TFCS	Not Present	
- CHOICE Mode	FDD Not Procent	
- TFC subset - UL DCH TFCS	Not Present	
- OL DOTT IT GO	I	

Information Element	Value/remark	
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Addition	
- TFCS complete reconfigure		
- CHOICE CTFC Size	2bit CTFC	
- CTFC information	This IE is repeated for TFC numbers according to	
	TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps	
0.750	signalling radio bearer)	
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone	
- Power offset information	13.6 kbps signalling radio bearer)	
- CHOICE Gain Factors	Computed Cain Factors (The last TEC is set to Signalled	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled Gain Factors)	
- Gain factor ßc	11 (below 64 kbps)	
Cum ractor iso	9 (higher than 64 kbps)	
	(Not Present if the above is set to Computed Gain	
	Factors)	
- Gain factor ßd	15	
	(Not Present if the above is set to Computed Gain	
	Factors)	
- Reference TFC ID	0	
- CHOICE mode	FDD	
- Power offset Pp-m	Not Present	
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required	
	when the IE "RRC state indicator" is set to	
- Added or Reconfigured UL TrCH information	"CELL_FACH", need is MP to align with ASN.1"	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- TFS	o a constant of the constant o	
- CHOICE Transport channel type	Delicated transport channels	
- Dynamic Transport format information		
- RLC Size	Value 16 results in an RLC size of 144 bits;	
	OctetModeType1 ((8*sizeType1)+16).	
 Number of TBs and TTI List 	List with single entry	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	0	
- CHOICE Logical Channel List	ALL	
- Semi-static Transport Format information	40 ms	
- Transmission time interval - Type of channel coding	Convolutional	
- Coding Rate	1/3	
- Rate matching attribute	160	
- CRC size	16	
DL Transport channel information common for all		
transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Same as UL	
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required	
	when the IE "RRC state indicator" is set to	
- Added or Reconfigured DL TrCH information	"CELL_FACH", need is MP to align with ASN.1"	
- Downlink transport channel type	DCH	
- DL Transport channel identity	10	
- CHOICE DL parameters	Same as UL	
- Uplink Transport channel type	DCH	
- UL TrCH identity	5	
- DCH quality target	Not Present	
Frequency info	Not present	
Maximum allowed UL TX power	Not present	
CHOICE channel requirement	Not Present	
Downlink information common for all radio links	Not Present	
Downlink information for each radio link list	Not present	

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type	
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Identification of received message	Not Checked
Protocol error information	
- Protocol error cause	Refer to test requirement.

Contents of SECURITY MODE COMMAND message: AM

l	Information Element	Condition	Value/remark
Ì	Message Type	A1, A2	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
	Integrity check info		
ļ	 Message authentication code 		Set to MAC-I value computed by the SS. The
			first/ leftmost bit of the bit string contains the
ı	DDC Massage Convenes Number		most significant bit of the MAC-I.
l	- RRC Message Sequence Number		Set to an arbitrarily selected integer between 0
ĺ	Security capability		and 15
	- Ciphering algorithm capability		
	- UEA0		If the UE has indicated support for ciphering
1	02/10		algorithm UEA0 in the IE "security capability" in
			the RRC CONNECTION SETUP COMPLETE
			message, this IE is set to TRUE.
	- UEA1		If the UE has indicated support for ciphering
			algorithm UEA1 in the IE "security capability" in
			the RRC CONNECTION SETUP COMPLETE
i			message, this IE is set to TRUE.
	- Spare		Spare 2-15 = FALSE
	 Integrity protection algorithm capability UIA1 		0000000000000010B (UIA1) TRUE
	- Spare		Spare 0 and Spare 2-15 = FALSE
	Ciphering mode info		This presence of this IE is dependent on IXIT
1	Cipricing mode into		statements in TS 34.123-2. If ciphering is
			indicated to be active, this IE present with the
			values of the sub IEs as stated below. Else, this
			IE is omitted.
	 Ciphering mode command 		Start/restart
	- Ciphering algorithm		UEA0 or UEA1. The indicated algorithm must be
			one of the algorithms supported by the UE as
			indicated in the IE "security capability" in the
			RRC CONNECTION SETUP COMPLETE
ı	- Ciphering activation time for DPCH		message. Not Present
	- Radio bearer downlink ciphering activation time		Not i lesent
1	info		
	- Radio bearer activation time		
	- RB identity		1
	- RLC sequence number		Current RLC SN+2
	- RB identity		2
	- RLC sequence number		Current RLC SN+2
	- RB identity		3 Current DLC CN + 2
	RLC sequence numberRB identity		Current RLC SN + 2
	- RLC sequence number		Current RLC SN + 2
	Integrity protection mode info		
	- Integrity protection mode command		Start
	 Downlink integrity protection activation info 		Not Present
	- Integrity protection algorithm		UIA1
	 Integrity protection initialisation number 		SS selects an arbitrary 32 bits number for
1			FRESH
ļ	CN domain identity	۸.4	CS or PS
	UE system specific security capability	<u>A1</u>	Not Checked
	UE system specific security capability - Inter-RAT UE security capability	<u>A2</u>	
	- Inter-RAT DE Security capability - CHOICE system		GSM
	- GSM security capability		The indicated algorithms must be the same as
	Som obtainly departmy		the algorithms supported by the UE as indicated
			in the IE " UE system specific capability " in the
			RRC CONNECTION SETUP COMPLETE
			message.
İ			

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	UE not supporting GSM
<u>A1</u> <u>A2</u>	<u>UE supporting GSM</u>

<End of modified section>

<Start of next modified section>

9.1.2 Default Message Contents for Signalling (TDD)

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<Start of next modified desection>

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH) (3.84 Mcps TDD option)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	0
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
- UE radio access FDD capability update	FALSE
requirement	
 UE radio access TDD capability update 	TRUE
requirement	
- System specific capability update requirement list	GSM gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	THE THE TOTAL PROPERTY OF THE TOTAL PROPERTY
- RLC info	LIMBLO
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
0110105 D 11 1 D1 0	LIMBLO
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	
	1 .
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
MAC logical channel priority	1 1
- MAC logical channel priority	
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	FACH
- DL DCH Transport channel identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
RLC infoCHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	/ WITCE
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll - Poll_PDU	200 Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
 CHOICE Downlink RLC mode In-sequence delivery 	AM RLC TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator- Timer_STATUS_periodic	TRUE Not Present
- RB mapping info	NOTE LESCHE
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type UL Transport channel identity 	DCH 5
Logical channel identity	2
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
 Downlink transport channel type DL DCH Transport channel identity 	DCH 10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type UL Transport channel identity 	RACH Not Present
- OE transport channel identity - Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
MAQ la sizal di sala di sala	signalling radio bearer
- MAC logical channel priority	2
 Downlink RLC logical channel info Number of RLC logical channels 	1
- Downlink transport channel type	FACH
 DL DCH Transport channel identity 	Not Present
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	(AM DOCULton NAC DT High principle)
Signalling RB information to setup - RB identity	(AM DCCH for NAS_DT High priority) Not Present
- RB identity - CHOICE RLC info type	NOT LESCH
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
	·

Information Element	Value/remark
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	·
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	200
- Timer_status_prohibit - Timer_EPC	200 Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i resent
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
 Logical channel identity 	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	Not Present
DL DSCH Transport channel identity Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1 5404
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
DL DSCH Transport channel identity Logical channel identity	Not Present 3
- Logical channel identity Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	1.01.1.1000111
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
Transmission with Jerry sin-	400
- Transmission window size	128
- Timer_RST	500

Information Florent	Valualramant
Information Element	Value/remark
- Max_RST	1
- Polling info	200
- Timer_poll_prohibit - Timer_poll	200 200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
 Missing PDU indicator 	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	1
 Number of RLC logical channels Downlink transport channel type 	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	(This IF is now a start for TFO manufactor)
- UL TFCS ID	(This IE is repeated for TFC number.)
- UL TFCS - TFC subset	Default value is the complete evicting act of transport
- TFC Subset	Default value is the complete existing set of transport
Allerined Transport Francis (1997)	format combinations
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
DDACH TECS	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.) Normal
- CHOICE TFCI signalling - TFCI Field 1 information	INOITIA
- TFCI Field 1 information - TFCS complete reconfigure	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
3.10102 11 00 0120	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Information Element	Value/remark
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
 UL Transport channel identity 	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Asserting to TC24 400 playing C for standalana 42 C libra
- RLC size	According to TS34.108 clause 6 for standalone 13.6 kbps
- Number of TBs and TTI lists	signalling radio bearer (This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- CHOICE Logical channel list	AĬĬ
- Semi-static Transport Format information	
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
-Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS ID - Shared Channel Indicator	1
- Shared Charmer Indicator - CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	Same as OL
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL Transport channel identity	5
-DCH quality target	
- BLER Quality target	-6.3
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
HOICE channel requirement	Uplink DPCH info
Uplink DPCH power control info CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps
- UL target SIR	Reference to TS34.108 Parameter set
- CHOICE mode	TDD
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	3.84 Mcps
 Individual timeslot interference info 	Not Present
- Individual timeslot interference	
- DPCH Constant Value	N.B.
- Primary CCPCH Tx Power	Not Present
- Time info - Activation time	(256 CEN (CEN MOD 8 + 8)/MOD 256
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite
- Common timeslot info	minite
- 2nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	Maintain
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
Downlink DPCH power control information DPC mode	O (single)
- DFC IIIOUE	0 (single)

	Value/remark
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	·
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
	IIIIIIII
- Common timeslot info	Reference to TS34.108
- 2nd interleaving mode	TRUE
- TFCI coding	
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1 .
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE more timeslots	
- CHOICE TDD option	3.84 Mcps
- Timeslot number	The number of a downlink timeslot that has
	unassigned codes in a frame.
- Individual timeslot info	
- TFCI existence	TRUE
 Midamble shift and burst type 	
- CHOICE TDD option	3.84 Mcps
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
Griorde more timodicte	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
	navo bosh assigned in the first timesiot
- UL CCTrCH TPC List	Not Present
52 55 H 51 H 6 Elot	11011100111
-SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH) (1.28 Mcps TDD option)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	0
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
- UE radio access FDD capability update requirement	FALSE
- UE radio access TDD capability	TRUE
update requirement	
- System specific capability update requirement list	<u>GSMgsm</u>

Information Florent	Volumer
Information Element	Value/remark
Signalling RB information to setup	(UM DCCH for RRC) Not Present
- RB identity - CHOICE RLC info type	Not Present
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	OW NEO
Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
- MAC logical channel priority	signalling radio bearer 1
- Downlink RLC logical channel info	'
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	000
- Timer_poll_prohibit	200
- Timer_poll - Poll_PDU	200 Not present
- FUII_FDU	Not present

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
 Timer_poll_periodic 	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
 RB mapping info Information for each multiplexing option 	2 PRMuyOntions
- RLC logical channel mapping indicator	2 RBMuxOptions Not Present
Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
 MAC logical channel priority 	2
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2 Not Present
- RLC logical channel mapping indicator	Not Present
 Number of RLC logical channels Uplink transport channel type 	1 RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	2
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(AM DCCH for NAS, DT High priority)
Signalling RB information to setup - RB identity	(AM DCCH for NAS_DT High priority) Not Present
- RB identity - CHOICE RLC info type	INOLITESCIIL
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	-
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE Not Present
- Timer_STATUS_periodic- RB mapping info	Not Present
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
 MAC logical channel priority 	3
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3 Not Present
 RLC logical channel mapping indicator Number of RLC logical channels 	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
 MAC logical channel priority 	3
 Downlink RLC logical channel info 	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity Logical channel identity 	Not Present 3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	THOU TOOSIN
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
Polling infoTimer_poll_prohibit	200
- Timer_poll_profilbit - Timer_poll	200
- Poll_PDU	Not present
. 611_1 50	Tiot processit

Information Element	Value/remark
- Poll_SDU	Value/remark
	TRUE
- Last transmission PDU poll	
- Last retransmission PDU poll	TRUE
- Poll_Windows	99 Not Brown
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	4
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	4
 Downlink RLC logical channel info 	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- UL TFCS ID	(This IE is repeated for TFC number.)
- UL TFCS	
- TFC subset	Default value is the complete existing set of transport
	format combinations
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information	
	•

Information Element	Value/remark
	DCH Value/Terriark
- Uplink transport channel type	
- UL Transport channel identity	5
- TFS	De dieste datas a constable a consta
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	A 15 / TOO/ 400 0 / 1 40 0
- RLC size	According to TS34.108 clause 6 for standalone 13.6 kbps
AL A CED LETTING	signalling radio bearer
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
-Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS ID	1
- Shared Channel Indicator	
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
 Downlink transport channel type 	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL Transport channel identity	5
-DCH quality target	
- BLER Quality target	-6.3
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
HOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	'
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps
- PRX _{PDPCHdes}	Reference to TS34.108 Parameter set
- CHOICE mode	TDD
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	1.28 Mcps
- TPC step size	Not Present
- Primary CCPCH Tx Power	Not Present
- Time info	Hot i rescrit
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration	Infinite
- Common timeslot info	THIRD I
- 2nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	(no data)
- Downlink DPCH info common for all RL	
	Maintain
- Timing indicator - CFN-targetSFN frame offset	Not Present
	INOUT TOOCHU
Downlink DPCH power control information DPC mode	0 (single)
	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	Net Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	TDD
- Choice mode	TDD

Information Element	Value/remark
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	o a constant of the constant o
- Downlink DPCH info for each RL	TOO
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Functioning illill	
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE more timeslots	
- CHOICE TDD option	1.28 Mcps
- Timeslot number	The number of a downlink timeslot that has
	unassigned codes in a subframe.
- Individual timeslot info	
- TFCI existence	TRUE
- Midamble shift and burst type	THOE
- CHOICE TDD option	1.28 Mcps
	1.20 IVICPS
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration	As defined in 3GPP TS 25.221
 First timeslot channelisation codes 	
 First channelisation code 	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
- OF IOIOL HIDE UHESIOS	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
III CCTrCH TDC Lint	Not Present
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present
2222 211 111 111 111 111 111 111 111 11	

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

Contents of SECURITY MODE COMMAND message: AM

Ш	Information Element	Condition	Value/remark
Ì	Message Type	A1, A2	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and
			3
	Integrity check info		
	- Message authentication code		Set to an arbitrarily selected 32-bits integer.
1	g		The first/ leftmost bit of the bit string contains
			the most significant bit of the MAC-I.
Ì	- RRC Message Sequence Number		Set to an arbitrarily selected integer between
	Titte Meddage Coquente Hamber		0 and 15
ı	Security capability		o and 10
	- Ciphering algorithm capability		
	- UEA0		If ciphering is not indicated to be active on
1	- OLAO		IXIT statements in TS 34.123-2, set this IE
			to TRUE.
ı	1154		
I	- UEA1		If ciphering is indicated to be active on IXIT
			statements in TS 34.123-2, set this IE to
ı	0		TRUE.
Ш	- Spare		FALSE
	- Integrity protection algorithm capability		000000000000010B (UIA1)
	- UIA1		TRUE
	- Spare		FALSE
П	Ciphering mode info		This presence of this IE is dependent on
			IXIT statements in TS 34.123-2. If ciphering
			is indicated to be active, this IE present with
			the values of the sub IEs as stated below.
			Else, this IE is omitted.
	- Ciphering mode command		Start/restart
I	- Ciphering algorithm		Use the same ciphering algorithm specified
			in "ciphering algorithm capability" IE in this
ı	0.1		message.
	- Ciphering activation time for DPCH		Not Present
	- Radio bearer downlink ciphering activation time info		
	- Radio bearer activation time		_
	- RB identity		1
	- RLC sequence number		Current RLC SN+2
	- RB identity		2
	- RLC sequence number		Current RLC SN+2
	- RB identity		3
	- RLC sequence number		Current RLC SN + 2
	- RB identity		4
	- RLC sequence number		Current RLC SN + 2
Ш	Integrity protection mode info		04
	- Integrity protection mode command		Start
П	- Downlink integrity protection activation info		Not Present
	- Integrity protection algorithm		UIA1
Ц	 Integrity protection initialisation number 		SS selects an arbitrary 32 bits number for
ار	CNI domain identity		FRESH
$\ \ $	CN domain identity	Λ4	Supported domain
H	UE system specific security capability	<u>A1</u>	Not PresentChecked
	<u>UE system specific security capability</u> - Inter-RAT UE security capability	<u>A2</u>	
	- Inter-RAT DE security capability - CHOICE system		GSM
Ш	- GSM security capability		The indicated algorithms must be the same
Ш	- Goivi Security Capability		as the algorithms supported by the UE as
			indicated in the IE " UE system specific
П			capability " in the RRC CONNECTION
Ш			SETUP COMPLETE message.
П			OLTO COMILLE I Hossage.

<u>Condition</u>	<u>Explanation</u>
<u>A1</u> <u>A2</u>	UE not supporting GSM
A2	UE supporting GSM

<End of modified section>

<Start of next modified section>

9.2 Default Message Contents for RF

This clause contains the default values of common messages for RF test. The parameters of the UL/DL reference measurement channel 12.2kbps, the DL reference measurement channel for BTFD, UE test loop mode 1 without Dummy DCCH transmission and UE test loop mode 2 with Dummy DCCH transmission are set to default message contents.

9.2.1 Default Message Contents for RF (FDD)

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<Start of next modified default message>

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	TRUE
requirement	
- UE radio access TDD capability update	FALSE
requirement	
- System specific capability update requirement list	<u>GSMGsm</u>
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1

Information Element	Value/remark
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	i e
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	
	1 TDUE
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size 	128
 Downlink RLC status info 	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
MAC logical channel priority	2
- Downlink RLC logical channel info	2
-	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	2
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
20 mm m manapart oriention typo	

Information Element	Value/remark
- DL DCH Transport channel identity	Not Present
- DL DCH Transport channel identity - DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	Not Flesent
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	AW REC
- SDU discard mode	No Discard
- MAX_DAT	15
- MAX_DAT - Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
	200
- Timer_poll_prohibit	200
- Timer_poll	Not Present
- Poll_PDU	
- Poll_SDU	1 TDUE
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99 Not Brooms
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	o DDM O G
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
-UL Transport channel identity	5
- Logical channel identity	3 Configured
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
 Downlink RLC logical channel info Number of RLC logical channels 	1
Downlink transport channel type	1 DCH
DL DCH Transport channel identity	10
	Not Present
 DL DSCH Transport channel identity Logical channel identity 	
·	3 Not Present
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	RACH
- Uplink transport channel type	
- UL Transport channel identity	Not Present
- Logical channel identity	3 Explicit List
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	I FACH
- Downlink transport channel type	FACH Not Propert
- DL DCH Transport channel identity	Not Present

Information Clament	Value/romark
Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	1
- Polling info	
_	200
- Timer_poll_prohibit	
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
-	
- Timer_STATUS_periodic	Not Present
- RB mapping info	0.0014 0.00
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
 Logical channel identity 	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
· · · · · · · · · · · · · · · · · · ·	
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
DE DOOR Hansport sharing lucitity	110111000111

Information Element	Value/remark
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
 CHOICE TFCS representation 	Complete reconfiguration
 TFCS complete reconfiguration information 	
- CHOICE CTFC Size	2 bit CTFC
- CTFC information	2 TFCs
- 2bit CTFC	0
- Power offset Information	
- CHOICE Gain Factors	computedGainFactors
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
- 2bit CTFC	1
- Power offset Information	
- CHOICE Gain Factors	signalledGainFactors
- CHOICE mode	FDD
- Gain factor &c	15
- Gain factor ßd - Reference TFC ID	15
- CHOICE mode	0
- Power offset Pp-m	FDD
Added or Reconfigured UL TrCH information list	Not Present
- Added or Reconfigured UL TrCH information	1
-	DCH
 Uplink transport channel type UL Transport channel identity 	5
- TFS	3
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport Format Information	Boalcated transport charmels
- RLC size	96 bits
- Number of TBs and TTI List	2
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- Transmission Time Interval	Not Present
- Number of Transport blocks	1
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format Information	
- Transmission time interval	40
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	256
- CRC size	12
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured DL TrCH information list	1
- Added or Reconfigured DL TrCH information	Bou
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	SameAasUL

Information Element	Value/remark
- Uplink transport channel type	DCH
- UL TrCH Identity	5
- DCH quality target	0
- BLER Quality value	-2.0
Frequency info	Not Present
	Not Present
Maximum allowed UL TX power	
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	o ID
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
 Downlink DPCH info common for all RL 	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
 Downlink DPCH power control information 	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P Pilot-DPDCH	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for per radio links list	, , , , , , , , , , , , , , , , , , , ,
-Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	100
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- CHOICE mode	FDD
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	Set to value : Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	THOSE I TOUGHT
- Secondary scrambling code	1
- Spreading factor	256
- Spreading factor - Code number	0
- Code number - Scrambling code change	Not Present
- TPC combination index	
- IT C COMBINATION INCEX	0

Information Element	Value/remark
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of SECURITY MODE COMMAND message: AM

	Information Element	Condition	Value/remark
ĺ	Message Type	A1, A2	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
	Integrity check info		
	- Message authentication code		Set to an arbitrarily selected 32-bits integer.
			The first/ leftmost bit of the bit string contains
			the most significant bit of the MAC-I.
	- RRC Message Sequence Number		Set to an arbitrarily selected integer between 0
			and 15
	Security capability		
	- Ciphering algorithm capability		
	- UEA0		If the UE has indicated support for ciphering
			algorithm UEA0 in the IE "security capability" in
			the RRC CONNECTION SETUP COMPLETE
			message, this IE is set to TRUE.
	- UEA1		If the UE has indicated support for ciphering
			algorithm UEA1 in the IE "security capability" in
			the RRC CONNECTION SETUP COMPLETE
			message, this IE is set to TRUE.
	- Spare		Spare 2-15 = FALSE
ĺ	- Integrity protection algorithm capability		000000000000010B (UIA1)
ĺ	- UIA1		TRUE
	- Spare Ciphering mode info		Spare 0 and Spare 2-15 = FALSE This presence of this IE is dependent on IXIT
ļ	Cipriering mode into		statements in TS 34.123-2. If ciphering is
			indicated to be active, this IE present with the
			values of the sub IEs as stated below. Else,
			this IE is omitted.
I	- Ciphering mode command		Start/restart
	- Ciphering algorithm		UEA0 or UEA1. The indicated algorithm must
	Olpholing digonalin		be one of the algorithms supported by the UE
			as indicated in the IE "security capability" in the
			RRC CONNECTION SETUP COMPLETE
			message.Use the same ciphering algorithm
			specified in "ciphering
	- Ciphering activation time for DPCH		Not Present
	- Radio bearer downlink ciphering activation time		
	info		
	- Radio bearer activation time		
	- RB identity		1
	- RLC sequence number		Current RLC SN+2
	- RB identity		2
	- RLC sequence number		Current RLC SN+2
	- RB identity		3 Command DLC CNL : 2
	- RLC sequence number		Current RLC SN + 2
	- RB identity - RLC sequence number		Current RLC SN + 2
	Integrity protection mode info		Current NLC SIN T 2
	- Integrity protection mode command		Start
	- Downlink integrity protection activation info		Not Present
	- Integrity protection algorithm		UIA1
	- Integrity protection initialisation number		SS selects an arbitrary 32 bits number for
1			FRESH
	CN domain identity		CS or PS
	UE system specific security capability		Not PresentChecked
j	UE system specific security capability	<u>A2</u>	
	- Inter-RAT UE security capability		
	- CHOICE system		<u>GSM</u>
	- GSM security capability		The indicated algorithms must be the same as
	—		the algorithms supported by the UE as
			indicated in the IE " UE system specific
			capability " in the RRC CONNECTION SETUP
			COMPLETE message.

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	UE not supporting GSM
<u>A1</u> <u>A2</u>	UE supporting GSM

9.2.2 Default Message Contents for RF (TDD)

.

<Start of next modified default message>

Contents of RRC CONNECTION SETUP message: UM (3.84 Mcps TDD)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	FALSE
requirement	
- UE radio access TDD capability update	TRUE
requirement	
- System specific capability update requirement list	GSM Gsm
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	OW REC
Information for each multiplexing option	2 PPMuvOntions
	2 RBMuxOptions Not Present
- RLC logical channel mapping indicator	1
- Number of RLC logical channels	DCH
- Uplink transport channel type	
- UL Transport channel identity	5
- Logical channel identity	Configured
- CHOICE RLC size list	Configured
- MAC logical channel priority	
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	1
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1

Information Element	Value/remark
- Downlink transport channel type	FACH
DOWNINK transport channel type DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	/ · · · · ·
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
 Timer_poll_periodic 	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDM:Onti
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1 DCH
 Uplink transport channel type UL Transport channel identity 	5
- Logical channel identity	
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
 MAC logical channel priority 	2
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	FACH

Information Element	Value/remark
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_status_profilibit	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i resent
Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
Number of RLC logical channels	1
- Uplink transport channel type	DCH
-UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	3
- Number of RLC logical channels	1
Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- De Doct Transport channel identity - Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
Number of RLC logical channels	1
- Uplink transport channel type	RACH
	Not Present
- UL Transport channel identity- Logical channel identity	3
- CHOICE RLC size list	
	Explicit List Peterance to TS34 108 clause 6 Parameter Set
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH Not Present
- DL DCH Transport channel identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	THE THOUSE
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	, <u>-</u>
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size 	128
 Downlink RLC status info 	
Timer_status_prohibit	200
- Timer_EPC	Not Present
 Missing PDU indicator 	TRUE
 Timer_STATUS_periodic 	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
 Number of RLC logical channels Uplink transport channel type 	RACH
- UL Transport channel identity	Not Present
Logical channel identity Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
Downlink RLC logical channel info	['
Number of RLC logical channels	1
Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present

Information Element	Value/remark
 Logical channel identity 	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	TDD
-Individual UL CCTrCH information	
- UL TFCS ID	(This IE is repeated for TFC number.)
- UL TFCS	
- TFC subset	Default value is the complete existing set of transport
	format combinations
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
- PRACH TFCS	TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	11011110
- TFCS complete reconfigure	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
- CTFC information	Refer to TS34.108 clause 6 Parameter Set Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information list	1
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport Format Information	
- RLC size	According to TS34.108 clause 6
- Number of TBs and TTI List	(This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured DL TrCH information list	1
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH Identity	5
- DCH quality target	
- BLER Quality value	Reference to TS 34.108
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	Оринк от оттино
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps Reference to TS34.108 Parameter set
- UL target SIR - CHOICE mode	
- CHOICE IIIOGE	TDD

Individually signalled

- CHOICE UL OL PC info

Information Element	Value/remark
- CHOICE TDD option	3.84 Mcps
- Individual timeslot interference info	Not Present
- Individual timeslot interference	
- DPCH Constant Value	
- Primary CCPCH Tx Power	Not Present
- Time info	
- Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration	Infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
 Uplink DPCH timeslots and codes 	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps (no data)
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for per radio links list	
-Downlink information for each radio links	
- CHOICE mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2 _{nd} interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE more timeslots	0.04 Mars
- CHOICE TDD option - Timeslot number	3.84 Mcps The number of a downlink timeslot that has
	unassigned codes in a frame.
- Individual timeslot info	TRUE
- TFCI existence	TRUE
- Midamble shift and burst type	2 94 Mone
- CHOICE TDD option -CHOICE Burst Type	3.84 Mcps
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
<u> </u>	•

Information Element	Value/remark
type 1 and 3	
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (1.28 Mcps TDD)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	- N 0 -
- UE radio access FDD capability update	FALSE
requirement	TOUE
- UE radio access TDD capability update	TRUE
requirement	CCMCom
- System specific capability update requirement list	GSMGsm 4 SRBs
Signalling RB information to setup list	1
- Signalling RB information to setup - RB identity	(UM DCCH for RRC) Not Present
- RB identity - CHOICE RLC info type	RLC info
- CHOICE VIDINK RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	OW REC
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	1
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH Not Propert
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(AM DCCH for PBC)
- Signalling RB information to setup - RB identity	(AM DCCH for RRC) Not Present
	INOLFIESEIIL
- CHOICE RLC info type	1

Information Element	Value/remark
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	
- Downlink transport channel type	FACH Not Propert
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(AM DOCKH for NAS, DT High priority)
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDM w Outland
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
-UL Transport channel identity	5
Logical channel identityCHOICE RLC size list	3 Configured
- CHOICE RLC size list - MAC logical channel priority	Configured 3
Downlink RLC logical channel info	3
Number of RLC logical channels	1
Number of REC logical channels Downlink transport channel type	DCH
- DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	1
- Number of RLC logical channels	1 FACH
- Downlink transport channel type	FACH Not Propert
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	Not Propert
- PRACH TFCS	Not Present
- CHOICE Mode	TDD
-Individual UL CCTrCH information	(This IE is repeated for TEC number)
- UL TFCS ID	(This IE is repeated for TFC number.)

- Activation time

Information Element Value/remark - UL TFCS - TFC subset Default value is the complete existing set of transport format combinations 0 to MaxTFCvalue-1 (MaxTFCValue is refer to - Allowed Transport Format combination TS34.108 clause 6 Parameter Set.) - PRACH TFCS (This IE is repeated for TFC number.) - CHOICE TFCI signalling Normal - TFCI Field 1 information - TFCS complete reconfigure information - CHOICE TFCS Size Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set - CTFC information Not Present - CHOICE mode TDD - Individual UL CCTrCH information Not Present Deleted TrCH information list Not Present Added or Reconfigured UL TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH - UL Transport channel identity 5 - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport Format Information According to TS34.108 clause 6 - RLC size - Number of TBs and TTI List (This IE is repeated for TFI number) - CHOICE mode **TDD** - Transmission Time Interval According to TS34.108 clause 6 - CHOICE Logical channel list ΑII - Semi-static Transport Format information DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode TDD Same as UL - CHOICE DL parameters Added or Reconfigured DL TrCH information list - Added or Reconfigured DL TrCH information DCH - Downlink transport channel type 10 - DL Transport channel identity Same as UL - CHOICE DL parameters - Uplink transport channel type DCH - UL TrCH Identity - DCH quality target - BLER Quality value Reference to TS 34.108 Frequency info Not Present Maximum allowed UL TX power Not Present Uplink DPCH info CHOICE channel requirement - Uplink DPCH power control info - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps Reference to TS34.108 Parameter set - PRX_{PDPCHdes} - CHOICE mode - CHOICE UL OL PC info Individually signalled - CHOICE TDD option 1.28 Mcps - TPC step size Not Present Not Present - Primary CCPCH Tx Power - Primary CCPCH Tx Power Not Present - Time info

(256+CFN-(CFN MOD 8 + 8))MOD 256

Information Element	Value/remark
- Duration	Infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	L se P
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
Downlink DPCH power control information DPC mode	() (single)
- CHOICE mode	0 (single) TDD
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	TRUE
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for per radio links list	
-Downlink information for each radio links	
- CHOICE mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	Data was a 1200 4 400
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE Peferance to TS34 108 clause 6 Peremeter set
- Puncturing limit - Repetition period	Reference to TS34.108 clause 6 Parameter set
- Repetition length	Empty
- Downlink DPCH timeslots and codes	Linky
- CHOICE more timeslots	
- CHOICE TDD option	1.28 Mcps
- Timeslot number	The number of a downlink timeslot that has
	unassigned codes in a subframe.
- Individual timeslot info	TDUE
- TFCI existence - Midamble shift and burst type	TRUE
- Midamble shift and burst type - CHOICE TDD option	1.28 Mcps
-CHOICE Burst Type	
-Midamble Allocation Mode	Default
- Midamble configuration	As defined in 3GPP TS 25.221
- First timeslot channelisation codes	(i/OF) where it is the laws of a work and
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
55.52 mars amounts	the requirements of TS34.108 clause 6

Information Element	Value/remark
	Parameter Set could be met by the codes that have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of SECURITY MODE COMMAND message: AM

	Information Element	Condition	Value/remark
iF	Message Type	A1, A2	
	RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
	Integrity check info		
ļ	- Message authentication code		Set to an arbitrarily selected 32-bits integer.
			The first/ leftmost bit of the bit string contains
ı	PPC Massage Sequence Number		the most significant bit of the MAC-I. Set to an arbitrarily selected integer between 0
I	- RRC Message Sequence Number		and 15
I	Security capability		and 13
	- Ciphering algorithm capability		
	- UEA0		If the UE has indicated support for ciphering
			algorithm UEA0 in the IE "security capability"
			in the RRC CONNECTION SETUP
	115.4		COMPLETE message, this IE is set to TRUE.
	- UEA1		If the UE has indicated support for ciphering
			algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP
			COMPLETE message, this IE is set to TRUE.
	- Spare		Spare 2-15 = FALSE
	- Integrity protection algorithm capability		000000000000010B (UIA1)
	- UIA1		TRUE
	- Spare		Spare 0 and Spare 2-15 = FALSE
	Ciphering mode info		This presence of this IE is dependent on IXIT
			statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the
			values of the sub IEs as stated below. Else,
			this IE is omitted.
	- Ciphering mode command		Start/restart
	- Ciphering algorithm		UEA0 or UEA1. The indicated algorithm must
			be one of the algorithms supported by the UE
			as indicated in the IE "security capability" in
			the RRC CONNECTION SETUP COMPLETE
			message.Use the same ciphering algorithm specified in "ciphering
	- Ciphering activation time for DPCH		Not Present
	- Radio bearer downlink ciphering activation time		THOSE PRODUCTION
1	info		
	- Radio bearer activation time		
	- RB identity		1
	- RLC sequence number		Current RLC SN+2
	- RB identity		2 Current DLC CNL2
	RLC sequence numberRB identity		Current RLC SN+2
	- RLC sequence number		Current RLC SN + 2
	- RB identity		4
	- RLC sequence number		Current RLC SN + 2
	Integrity protection mode info		
	- Integrity protection mode command		Start Net Present
	Downlink integrity protection activation info Integrity protection algorithm		Not Present UIA1
	Integrity protection agonitim Integrity protection initialisation number		SS selects an arbitrary 32 bits number for
1			FRESH
	CN domain identity		CS or PS
	UE system specific security capability	<u>A1</u>	Not Checked
	UE system specific security capability	<u>A2</u>	
	- Inter-RAT UE security capability		CCM
	- CHOICE system - GSM security capability		GSM The indicated algorithms must be the same as
	Oom security capability		the algorithms supported by the UE as
			indicated in the IE " UE system specific
			capability " in the RRC CONNECTION SETUP
ļL			COMPLETE message.

<u>Condition</u>	<u>Explanation</u>
A1 A2	UE not supporting GSM
<u>A2</u>	<u>UE supporting GSM</u>

<End of modified section>

3GPP TSG-T WG1 Meeting #21 Budapest, Hungary, November 3rd-7th, 2003

			CI	HANGE	REQ	UE	ST			CR-Form-v7
*	34	.108	CR 2	72	жrev	1	\mathbb{H}	Current vers	3.13.	0 [#]
For <u>HELP</u> on	using	this for	m, see b	ottom of thi	s page or	look a	at the	pop-up text	over the % s	symbols.
Proposed change	e affec	<i>ts:</i>	JICC app	os# <mark> </mark>	ME X	Rad	lio Ac	cess Networ	ck Core	Network
Title:	₩ Intr	oduction	on of gen	eric test pr	ocedure fo	or RR	M har	ndover test o	cases	
Source:	₩ Eri	csson								
Work item code:	⊭ TE	l						Date: ₩	5/11/2003	
Category:	Deta	F (corr A (corr B (add C (fund D (edit iled exp	ection) responds lition of fe- ctional mo	ndification of ification) of the above	on in an ea feature)			2 R96 R97	R99 the following r (GSM Phase (Release 199 (Release 199 (Release 199 (Release 4) (Release 5) (Release 6)	2) 6) 7) 8)
Reason for chang										
Summary of char	ıge: ₩			for generic dover testin		cedur	e to t	oe used for F	RRM intra- ar	nd inter-
Consequences if not approved:	#	Incor	nplete sp	ecification	of RRM h	andov	er te	st cases.		
Clauses affected:	* ¥	7.3.4								
Other specs affected:	Ж	Y N X X X	Test sp	ore specific ecifications pecification		*				
Other comments:	* ¥									

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \$\mathbb{x}\$ 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 ftp://ftp.3gpp.org/specs/ 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)	3) With "track changes" disabled, paste the entire CR form (the clause containing the first piece of changed text. Delethe change request.	use CTRL-A to select it) into the specification just in front of ete those parts of the specification which are not relevant to

7.3.4 Test procedure for Handover

FFS

7.3.4.1 Initial conditions

System Simulator

- Intra-frequency hard handover:
 - 2 cells, default parameters according to Cell 1 and Cell 2 in clause 6.1.4.
- Inter-frequency hard handover:
 - 2 cells, default parameters according to Cell 1 and Cell 4 in clause 6.1.4.
- Inter-system handover UTRAN FDD to GSM:
 - 2 cells, default parameters according to Cell 1 and Cell 9 in clause 6.1.4.

User Equipment

The UE shall be initially operated under the normal RF test conditions if not otherwise stated in the initial conditions for the actual test case.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS) after the execution of the procedure described in 7.2.2.1

The UE has a valid P-TMSI (PS) after the execution of the procedure described in 7.2.2.2

7.3.4.2 Definition of system information messages

The default system information messages specified in clause 6.1 are used with the following exceptions.

Contents of System information block type 1: RRC

Information Element	<u>Value/remark</u>
- CN domain system information	
- CN domain identity	<u>PS</u>
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	<u>00 00</u>
- CN domain specific DRX cycle length coefficient	<u>7</u>
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

For the intra-frequency hard handover the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 2 in clause 6.1.4 are used.

For the inter-frequency hard handover the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 4 in clause 6.1.4 are used.

For the inter-system handover from UTRAN FDD to GSM the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 9 in clause 6.1.4 are used.

7.3.4.3 Procedure

For UE supporting CS

Step	<u>Direction</u>	Message	Comments
	UE SS		
<u>1</u>	<	SYSTEM INFORMATION (BCCH)	<u>Broadcast</u>
<u>2</u>	<u><</u>	PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
3	>	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	RRC CONNECTION SETUP (CCCH)	RRC
<u>5</u>	<u>></u>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
<u>6</u>	< > >	PAGING RESPONSE	RR
12131415161718191	<	AUTHENTICATION REQUEST	MM
8	>	AUTHENTICATION RESPONSE	MM
9	4 < 4 < 4 < 4 < 4 < 4 < 4 < 4 < 4 < 4 <	SECURITY MODE COMMAND	RRC
<u>10</u>	>	SECURITY MODE COMPLETE	RRC
<u>11</u>	<	ACTIVATE RB TEST MODE	TC
<u>12</u> 13	<u>></u>	ACTIVATE RB TEST MODE COMPLETE	<u>TC</u>
13	<	RADIO BEARER SETUP	RRC
			- RAB SETUP using Reference
			Radio Bearer Configuration
			- RRC state indicator is set to
			"CELL DCH"
<u>14</u>	<u>></u>	RADIO BEARER SETUP COMPLETE	RRC
<u>15</u>	<u><</u>	RRC CONNECTION RELEASE	RRC
<u>16</u>	>	RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

<u>Step</u>	Direction		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
<u>1</u>	<u> </u>	<u>:</u>	SYSTEM INFORMATION (BCCH)	Broadcast
12345678910 1123		<u>:</u>	PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)
<u>3</u>	_	<u>-></u>	RRC CONNECTION REQUEST (CCCH)	RRC
<u>4</u>	<	<u>:</u> - <u>></u> ->	RRC CONNECTION SETUP (CCCH)	RRC
<u>5</u>	<u> </u>	<u>-></u>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
<u>6</u>	_	<u>-></u>	SERVICE REQUEST	<u>GMM</u>
<u>7</u>	<	<u>:</u>	AUTHENTICATION AND CIPHERING REQUEST	<u>GMM</u>
<u>8</u>	<u> </u>	÷	AUTHENTICATION AND CIPHERING RESPONSE	<u>GMM</u>
<u>9</u>	<	<u>:</u>	SECURITY MODE COMMAND	RRC
<u>10</u>	<u> </u>	<u>-></u>	SECURITY MODE COMPLETE	RRC
<u>11</u>	<u> </u>	<u>:</u>	ACTIVATE RB TEST MODE	TC TC
<u>12</u>	_	<u>-></u>	ACTIVATE RB TEST MODE COMPLETE	TC
<u>13</u>		<u></u>	RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL DCH"
<u>14</u>	<u> </u>	<u>-></u>	RADIO BEARER SETUP COMPLETE	RRC
<u>15</u>		<u>:</u>	RRC CONNECTION RELEASE	RRC
<u>16</u>	<u> </u>	->	RRC CONNECTION RELEASE COMPLETE	RRC

7.3.4.4 Specific message contents

The default message contents specified in clause 9.2 are used with the following exceptions.

Contents of RADIO BEARER SETUP message: RRC

Information Element	<u>Value/remark</u>
New C-RNTI	<u>'1010 1010 1010 1010'</u>
RRC State indicator	CELL_DCH

Contents of Attach Accept message: GMM

Information Element	<u>Value/remark</u>
Periodic RA update timer	E0 (timer is deactivated)

3GPP TSG-T WG1 Meeting #21 Budapest, Hungary, November 3rd-7th, 2003

	CHANGE REQUEST	R-Form-v7
	34.108 CR 273	€
For <u>HELP</u> on u	sing this form, see bottom of this page or look at the pop-up text over the 策 symb	ols.
Proposed change a	ME X Radio Access Network Core Network Network ME X Radio Access Network Net	ork
Title: 第	Introduction of generic test procedure for RRM handover test cases	
Source: #	Ericsson	
Work item code: ₩	TEI Date: 第 5/11/2003	
Category:	Release: REL-4 Use one 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 TR 21.900. REL-4 Use one of the following release 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	ses:
Reason for change	Generic set up procedure for RRM handover test cases is not defined.	
Summary of chang	Pe: 第 Added details for generic set up procedure to be used for RRM intra- and interpretation frequency handover testing.	ter-
Consequences if not approved:	# Incomplete specification of RRM handover test cases.	
Clauses affected:	光 7.3.4	
Other specs affected:	Y N	
Other comments:	X	

How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \$\mathbb{X}\$ 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 ftp://ftp.3gpp.org/specs/ 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)	3) With "track changes" disabled, paste the entire CR form (the clause containing the first piece of changed text. Delethe change request.	use CTRL-A to select it) into the specification just in front of the those parts of the specification which are not relevant to

7.3.4 Test procedure for Handover

FFS

7.3.4.1 Initial conditions

System Simulator

- Intra-frequency hard handover:
 - 2 cells, default parameters according to Cell 1 and Cell 2 in clause 6.1.4.
- Inter-frequency hard handover:
 - 2 cells, default parameters according to Cell 1 and Cell 4 in clause 6.1.4.
- Inter-system handover UTRAN FDD to GSM:
 - 2 cells, default parameters according to Cell 1 and Cell 9 in clause 6.1.4.

User Equipment

- The UE shall be initially operated under the normal RF test conditions if not otherwise stated in the initial conditions for the actual test case.
- The Test-USIM shall be inserted.

The UE has a valid TMSI (CS) after the execution of the procedure described in 7.2.2.1

The UE has a valid P-TMSI (PS) after the execution of the procedure described in 7.2.2.2

7.3.4.2 Definition of system information messages

The default system information messages specified in clause 6.1 are used with the following exceptions.

Contents of System information block type 1: RRC

Information Element	<u>Value/remark</u>
- CN domain system information	
- CN domain identity	<u>PS</u>
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	<u>00 00</u>
- CN domain specific DRX cycle length coefficient	<u>7</u>
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

For the intra-frequency hard handover the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 2 in clause 6.1.4 are used.

For the inter-frequency hard handover the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 4 in clause 6.1.4 are used.

For the inter-system handover from UTRAN FDD to GSM the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 9 in clause 6.1.4 are used.

7.3.4.3 Procedure

For UE supporting CS

Step	Dire	ction	<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
<u>1</u>	<u><</u>	<u>:</u>	SYSTEM INFORMATION (BCCH)	<u>Broadcast</u>
<u>2</u>	<u> </u>	<u>:</u>	PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
<u>3</u>	_	->	RRC CONNECTION REQUEST (CCCH)	RRC
<u>4</u>	<u><</u>	<u>:</u>	RRC CONNECTION SETUP (CCCH)	RRC
<u>5</u>	_	<u>:</u> ->	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
<u>6</u>	<u>=</u>	<u>-></u>	PAGING RESPONSE	RR
2 3 4 5 6 7 8 9 <u>10</u>	<u><</u>	<u>:</u>	<u>AUTHENTICATION REQUEST</u>	MM
<u>8</u>	_	->	<u>AUTHENTICATION RESPONSE</u>	MM
<u>9</u>	<u><</u>	<u>:</u>	SECURITY MODE COMMAND	RRC
<u>10</u>	_	: - <u>></u> :	SECURITY MODE COMPLETE	RRC
<u>11</u>	<u><</u>	<u>:</u>	ACTIVATE RB TEST MODE	<u>TC</u>
<u>12</u>	<u>=</u>	<u>-></u>	ACTIVATE RB TEST MODE COMPLETE	<u>TC</u>
<u>13</u>	<	<u>:</u>	RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL DCH"
<u>14</u>	<u> </u>	<u>-></u>	RADIO BEARER SETUP COMPLETE	RRC
<u>15</u>		<u>:</u>	RRC CONNECTION RELEASE	RRC
<u>16</u>		->	RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

<u>Step</u>	<u>Direction</u>		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	SS		
<u>1</u>	<-	_	SYSTEM INFORMATION (BCCH)	<u>Broadcast</u>
<u>2</u>	<u><-</u>		PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)
<u>3</u>			RRC CONNECTION REQUEST (CCCH)	RRC
<u>4</u>			RRC CONNECTION SETUP (CCCH)	RRC
<u>5</u>	<u></u> :	<u>></u>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
1 2 3 4 5 6 7	<u></u> ;	<u>></u>	SERVICE REQUEST	<u>GMM</u>
<u>7</u>	<-	<u></u>	AUTHENTICATION AND CIPHERING REQUEST	GMM
<u>8</u>			AUTHENTICATION AND CIPHERING RESPONSE	<u>GMM</u>
8 9 10 11 12 13	<-	<u>-</u>	SECURITY MODE COMMAND	RRC
<u>10</u>	<u></u> :	<u>></u>	SECURITY MODE COMPLETE	RRC
<u>11</u>	<u><-</u>	<u>-</u>	ACTIVATE RB TEST MODE	<u>TC</u>
<u>12</u>	<u>:</u>	<u>></u>	ACTIVATE RB TEST MODE COMPLETE	<u>TC</u>
<u>13</u>	<u><-</u>		RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL_DCH"
<u>14</u>	:	<u>></u>	RADIO BEARER SETUP COMPLETE	RRC
<u>15</u> 16			RRC CONNECTION RELEASE	RRC
<u>16</u>	15 16 <>		RRC CONNECTION RELEASE COMPLETE	RRC

7.3.4.4 Specific message contents

The default message contents specified in clause 9.2 are used with the following exceptions.

Contents of RADIO BEARER SETUP message: RRC

Information Element	<u>Value/remark</u>
New C-RNTI	<u>'1010 1010 1010 1010'</u>
RRC State indicator	CELL_DCH

Contents of Attach Accept message: GMM

Information Element	<u>Value/remark</u>	
Periodic RA update timer	E0 (timer is deactivated)	

CHANGE REQUEST					
	34.108 CR 270	# rev 1 # Current version: 3.13.0 #			
For <u>HELP</u> on u	using this form, see bottom of this p	page or look at the pop-up text over the 光 symbols.			
Proposed change	Proposed change affects: UICC apps# ME X Radio Access Network Core Network				
Title: ₩	Initial conditions for RF tests				
Source: #	Ericsson				
Work item code: ₩	TEI	Date: 第 5/11/2003			
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above cobe found in 3GPP TR 21.900.	2 (GSM Phase 2) In an earlier release) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Categories can Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)			
Reason for change Summary of change	conditions may apply for so ge: % The statement regarding approcedure is changed to:	pplying RF test conditions in the generic set up			
		perated under normal RF test conditions if not ial conditions for the actual test case."			
Consequences if not approved:	# The generic RF test proced conditions applies.	dure does not reflect the case when specific intitial			
Clauses affected:	第 7.3.2.1				
Other specs affected:	Y N X Other core specificati Test specifications O&M Specifications	tions			
Other comments:	光				

How to create CRs using this form:

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

 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 ftp://ftp.3gpp.org/specs/ 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.

7.3.2 Test procedure for TX, RX and Performance Requirement (without handover)

7.3.2.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall <u>initially</u> be operated under RF test conditions <u>if not otherwise stated in the initial conditions for the actual test case</u>.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS) after the execution of the procedure described in 7.2.2.1

The UE has a valid P-TMSI (PS) after the execution of the procedure described in 7.2.2.2

3GPP TSG-T WG1 Meeting #21 Budapest, Hungary, November 3rd-7th, 2003

CHANGE REQUEST				
*	34.108 CR 271 #rev 1 #	Current version: 4.8.0 **		
For <u>HELP</u> on us	sing this form, see bottom of this page or look at the	e pop-up text over the % symbols.		
Proposed change affects: UICC apps# ME X Radio Access Network Core Network				
Title: ₩	Initial conditions for RF tests			
Source: #	Ericsson			
Work item code: ₩	TEI	Date: 第 <mark>5/11/2003</mark>		
	We one 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 TR 21.900.	Release: # Rel-4 Use one of the following releases: 2 (GSM Phase 2) e) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		
Reason for change: The current generic RF test procedure in 7.3.2 does not reflect that specific initial conditions may apply for some test cases. Summary of change: The statement regarding applying RF test conditions in the generic set up procedure is changed to: "The UE shall initially be operated under normal RF test conditions if not otherwise stated in the initial conditions for the actual test case."				
Consequences if not approved:	# The generic RF test procedure does not reflect conditions applies.	ect the case when specific intitial		
Clauses affected: Other specs affected:	 X O&M Specifications 34.1 	21		
Other comments:	ж			

How to create CRs using this form:

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

 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 ftp://ftp.3gpp.org/specs/ 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.

7.3.2 Test procedure for TX, RX and Performance Requirement (without handover)

7.3.2.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall <u>initially</u> be operated under <u>normal</u> RF test conditions <u>if not otherwise stated in the initial conditions</u> <u>for the actual test case</u>.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS) after the execution of the procedure described in 7.2.2.1

The UE has a valid P-TMSI (PS) after the execution of the procedure described in 7.2.2.2

3GPP TSG-T-WG1#21 Budapest, Hungary, 3rd – 7th November 2003

CHANGE REQUEST				
*	34.108 CR 265 # rev 1 # Current version: 3.13.0 #			
For <u>HELP</u> on u	ing this form, see bottom of this page or look at the pop-up text over the 策 symbols.			
Proposed change	ME X Radio Access Network Core Network			
Title:	Description and corrections of channels for minimum performance levels, TDD mode.			
Source: #	Siemens AG			
Work item code: ₩	TEI Date: 第 24/10/2003			
Reason for change Summary of change	Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) P (editorial modification) C (statistical explanations of the above categories can perfound in 3GPP TR 21.900. Some descriptions, comments and corrections included for clarification for supported channels in SS.			
Consequences if not approved:	# TDD option could not be tested properly			
Clauses affected:	策 4			
Other specs affected:	Y N Contractions Test specifications O&M Specifications			
Other comments:	Based on TS 25.221 v3.b.0, last version available on the server, 2002-12 for transport and physical channels. Based on TS 25.301 v3.b.0, last version available on the server, 2002-09 for logical channels.			

Revision of T1-031418, including CR number

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. 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 ftp://ftp.3gpp.org/specs/ 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.

4.2.1.2 Supported Channels for TDD Mode

4.2.1.2.1 Logical Channels

Logical Channel	Minimum Number	Comments		
	Control Channels			
BCCH	1	Broadcast Control Channel: DL channel for broadcasting		
		system control information.		
СССН	1	Common Control Channel: Bi-directional channel for		
		transmitting control information between network and UEs.		
		This channel is commonly used by the UEs having no RRC		
		connection with the network and by the UEs using common		
		transport channels when accessing a new cell after cell		
		reselection.		
DCCH	<u>4</u> 1	Dedicated Control Channel: A point-to-point bi-directional		
		channel that transmits dedicated control information between		
		a UE and the network. This channel is established through		
		RRC connection setup procedure. 2 channels for RRC testing		
PCCH	4	and 2 channels for NAS testing estimated.		
PCCH	1	Paging Control Channel: DL channel that transfers paging information. This channel is used when the network does not		
		know the location cell of the UE, or, the UE is in the cell		
		connected state		
DTCH	4	Connected state		
SHCCH	1	Shared Channel Control Channel: Bi-directional channel that		
011 <u>0</u> 011	'	transmits control information for uplink and downlink shared		
		channels between network and UEs. This channel is for TDD		
		only.		
	T	raffic Channels		
DTCH	1	Dedicated Traffic Channel is a point-to-point channel,		
	_	dedicated to one UE, for the transfer of user information. A		
		DTCH can exist in both UL and DL.		
<u>CTCH</u>	<u>1</u>	Common Traffic Channel is a point-to-multipoint unidirectional		
		channel for transfer of dedicated user information for all or a		
		group of specified UEs.		

4.2.1.2.2 Transport Channels

Transport Channel	Minimum Number	Comments
BCH	1	Broadcast Channel: DL channel used to broadcast system
		and cell-specific information.
FACH	1	Forward Access Channel: DL channel used to carry control
		information to a mobile station when the system knows the
		location cell of the mobile station (may also carry short user
		packets).
PCH	1	Paging Channel: DL channel used to carry control information
		to a mobile station when the system does not know the
		location cell of the mobile station.
DCH	n <ffs>2</ffs>	Dedicated Channel:UL or DL channel used to carry user or
		control information between the UTRAN and a UE
DSCH	1	DL shared channel: DL channel shared by several UEs
		carrying dedicated control or traffic data.
USCH	1	UL shared channel: UL channel shared by several UEs
		carrying dedicated control or traffic data.
RACH	1	Random Access Channel: UL channel used to carry control
		information from mobile station. The RACH may also carry
		short user packets.

4.2.1.2.3 Physical Channels

Physical Channel	Minimum Number	Comments
P-CCPCH	1	Primary Common Control Physical Channel The BCH as
		described in subclause 4.2 is mapped onto the P-CCPCH.
		The position (time slot / code) of the P-CCPCH is known from
		PSCH. This is the Cell Broadcast Channel, transmitted using
		the Primary Scrambling Code for the Cell.
SCH	1	Synchronisation Channel. Code group of a cell can be derived
		from the synchronisation channel. In order not to limit the
		uplink/downlink asymmetry the SCH is mapped on one or two
		downlink slots per frame only.
S-CCPCH	2	Secondary Common Control Physical Channel. PCH and
		FACH as described in subclause 4.2 are mapped onto one or
		more S-CCPCH.
PICH		To identify when the UE should access the PCCH for Paging
		Messages. Paging Indicator Channel is a physical channel
		used to carry the paging indicators.
DPCH (DL)	3	Downlink Dedicated Physical Channel. DCH channels are
		mapped onto DPCH
PDSCH	1	Physical Downlink Shared Channel. DSCH as desribed in
		subclause 4.2 is mapped onto one or more PDSCH.
DPCH (UL)	1	Uplink Dedicated Physical Channel. DCH channels are
		mapped onto DPCH.
PUSCH	1	Physical Uplink Shared Channel. The USCH as desribed in
		subclause 4.2 is mapped onto one or more PUSCH. Timing
		advance, as described in TS-25.224, subclause 4.3, is applied
		to the PUSCH.
PRACH	2	Physical Random Access Channel. The RACH as described in
		subclause 4.2 is mapped onto PRACH
<u>PNBSCH</u>	<u>1</u>	Physical node B synchronisation channel: In case cell sync
		bursts are used for Node B synchronisation the PNBSCH shall
		be used for the transmission of the cell sync burst TS 25.223.
		The PNBSCH shall be mapped on the same timeslot as the
		PRACH.

3GPP TSG-T-WG1#21 Budapest, Hungary, 3rd – 7th November 2003

CHANGE REQUEST						
*	34.108 CR 266	3				
For <u>HELP</u> on u	ng this form, see bottom of this page or look at the pop-up text over the 策 symbo	ols.				
Proposed change a	fects: UICC apps第 ME X Radio Access Network Core Netw	ork				
Title: Ж	Description and corrections of channels for minimum performance levels, TDD m	node.				
Source: #	Siemens AG					
Work item code: ₩	TEI Date: 第 24/10/2003					
Reason for change Summary of change	Ise one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) P (editorial modification) E (addition of the above categories can release) E (addition of feature), C (functional modification) R98 (Release 1998) D (editorial modification) R99 (Release 1999) E (additional modification) R99 (Release 1998) E (additional modification) R99 (Release 1998) E (additional modification) R99 (Release 1998) E (additional modification) R99 (Release 1999) E (additional modification) R99 (Release 1996) E (additional modification) R99 (Release 1998) Rel-4 (Release 4) E (additional modification) R99 (Release 6)	on for				
Consequences if not approved:	# TDD option could not be tested properly					
Clauses affected:	₩ 4					
Other specs affected:	Y N Cother core specifications					
Other comments:	## Based on TS 25.221 v4.7.0, last version available on the server, 2002-12 for transport and physical channels. Based on TS 25.301 v4.4.0, last version available on the server, 2002-09 for logical channels.					

Revision of T1-031419, including CR number

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. 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 ftp://ftp.3gpp.org/specs/ 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.

4.2.1.2 Supported Channels for TDD Mode

4.2.1.2.1 Logical Channels

Logical Channel	Minimum Number	Comments
	Co	ontrol Channels
BCCH	1	Broadcast Control Channel: DL channel for broadcasting
		system control information.
СССН	1	Common Control Channel: Bi-directional channel for
		transmitting control information between network and UEs.
		This channel is commonly used by the UEs having no RRC
		connection with the network and by the UEs using common
		transport channels when accessing a new cell after cell
		reselection.
DCCH	<u>4</u> 1	Dedicated Control Channel: A point-to-point bi-directional
		channel that transmits dedicated control information between
		a UE and the network. This channel is established through
		RRC connection setup procedure. 2 channels for RRC testing
PCCH	4	and 2 channels for NAS testing estimated.
PCCH	1	Paging Control Channel: DL channel that transfers paging information. This channel is used when the network does not
		know the location cell of the UE, or, the UE is in the cell
		connected state
DTCH	4	Connected state
SHCCH	1	Shared Channel Control Channel: Bi-directional channel that
011 <u>0</u> 011	'	transmits control information for uplink and downlink shared
		channels between network and UEs. This channel is for TDD
		only.
	T	raffic Channels
DTCH	1	Dedicated Traffic Channel is a point-to-point channel,
	_	dedicated to one UE, for the transfer of user information. A
		DTCH can exist in both UL and DL.
<u>CTCH</u>	<u>1</u>	Common Traffic Channel is a point-to-multipoint unidirectional
		channel for transfer of dedicated user information for all or a
		group of specified UEs.

4.2.1.2.2 Transport Channels

Transport Channel	Minimum Number	Comments
BCH	1	Broadcast Channel: DL channel used to broadcast system
		and cell-specific information.
FACH	1	Forward Access Channel: DL channel used to carry control
		information to a mobile station when the system knows the
		location cell of the mobile station (may also carry short user
		packets).
PCH	1	Paging Channel: DL channel used to carry control information
		to a mobile station when the system does not know the
		location cell of the mobile station.
DCH	n <ffs>2</ffs>	Dedicated Channel:UL or DL channel used to carry user or
		control information between the UTRAN and a UE
DSCH	1	DL shared channel: DL channel shared by several UEs
		carrying dedicated control or traffic data.
USCH	1	UL shared channel: UL channel shared by several UEs
		carrying dedicated control or traffic data.
RACH	1	Random Access Channel: UL channel used to carry control
		information from mobile station. The RACH may also carry
		short user packets.

4.2.1.2.3 Physical Channels (3.84 Mcps_option)

Physical Channel	Minimum Number	Comments
P-CCPCH	1	Primary Common Control Physical Channel The BCH as
		described in subclause 4.2 is mapped onto the P-CCPCH.
		The position (time slot / code) of the P-CCPCH is known from
		PSCH. This is the Cell Broadcast Channel, transmitted using
		the Primary Scrambling Code for the Cell.
SCH	1	Synchronisation Channel. Code group of a cell can be derived
		from the synchronisation channel. In order not to limit the
		uplink/downlink asymmetry the SCH is mapped on one or two
		downlink slots per frame only.
S-CCPCH	2	Secondary Common Control Physical Channel. PCH and
		FACH as described in subclause 4.2 are mapped onto one or
		more S-CCPCH.
PICH		To identify when the UE should access the PCCH for Paging
		Messages. Paging Indicator Channel is a physical channel
		used to carry the paging indicators.
DPCH (DL)	3	Downlink Dedicated Physical Channel. DCH channels are
		mapped onto DPCH
PDSCH	1	Physical Downlink Shared Channel. DSCH as desribed in
		subclause 4.2 is mapped onto one or more PDSCH.
DPCH (UL)	1	Uplink Dedicated Physical Channel. DCH channels are
		mapped onto DPCH.
PUSCH	1	Physical Uplink Shared Channel. The USCH as desribed in
		subclause 4.2 is mapped onto one or more PUSCH. Timing
		advance, as described in TS-25.224, subclause 4.3, is applied
		to the PUSCH.
PRACH	2	Physical Random Access Channel. The RACH as described in
		subclause 4.2 is mapped onto PRACH
PNBSCH	<u>1</u>	Physical node B synchronisation channel: In case cell sync
		bursts are used for Node B synchronisation the PNBSCH shall
		be used for the transmission of the cell sync burst TS 25.223.
		The PNBSCH shall be mapped on the same timeslot as the
		PRACH.

4.2.1.2.4 Physical Channels (1.28 Mcps_option)

Physical Channel	Minimum Number	Comments
P-CCPCH	<u>2</u> 4	Primary Common Control Physical ChannelThe BCH as
		described in section 4.1.2 'Common Transport Channels' is
		mapped onto the P-CCPCH1 and P-CCPCH2. The position
		(time slot / code) of the P-CCPCHs is fixed in the 1.28Mcps
		TDD. The P-CCPCHs are mapped onto the first two code
		channels of timeslot#0 with spreading factor of 16. This is the
		Cell Broadcast Channel, transmitted using the Primary
		Scrambling Code for the Cell.
DwPCH	1	Synchronisation Channel for DL. Present in each 5 ms
		subframe.
UpPCH	1	Synchronisation Channel for UL. Present in each 5 ms
		subframe.
S-CCPCH	2	Secondary Common Control Physical Channel. PCH and
		FACH as described in subclause 4.1.2 are mapped onto one
		or more S-CCPCH.
PICH		To identify when the UE should access the PCCH for Paging
		Messages. Paging Indicator Channel is a physical channel
		used to carry the paging indicators.
DPCH (DL)	3	Downlink Dedicated Physical Channel. DCH channels are
		mapped onto DPCH
PDSCH	1	Physical Downlink Shared Channel. PDSCH provides the
		possibility for transmission of TFCI, SS, and TPC in downlink.
DPCH (UL)	1	Uplink Dedicated Physical Channel. DCH channels are
		mapped onto DPCH.
PUSCH	1	Physical Uplink Shared Channel. PUSCH provides the
		possibility for transmission of TFCI, SS, and TPC in uplink.
FPACH	1	Fast Physical Access Channel. FPACH is used by the Node
		B to carry, in a single burst, the acknowledgement of a
		detected signature with timing and power level adjustment
		indication to a user equipment.
PRACH	2	Physical Random Access Channel. The RACH as described
		in subclause 4.2 is mapped onto one or more uplink physical
		random access channels (PRACH).