Technical Specification Group Terminals Meeting #27, Tokyo, Japan, 9 - 11 March 2005

Source:	T1
Title:	CRs to TS 34.108 v.5.3.0 for approval
Agenda item:	6.1.3
Document for:	Approval

This document contains the CRs to TS 34.108 v.5.3.0. These CRs have been agreed by T1 and are put forward to TSG T for approval.

Doc-2nd- Level	CR	R e	Phase	Subject	Cat	Version- Current	Version- New
		v					
T1-050095	382	-	Rel-5	Updates from core specification changes	F	5.3.0	5.4.0
T1-050350	383	-	Rel-5	Correction to Hand over test procedure in CELL_DCH	F	5.3.0	5.4.0
T1-050380	384	-	Rel-5	CR to 34.108: Changes to test frequencies for UMTS 850 Band	В	5.3.0	5.4.0
T1-050019	385	-	Rel-5	Correction to default SIB configurations	F	5.3.0	5.4.0
T1-050052	386	-	Rel-5	Editorial corrections in HSDPA RAB configurations 6.10.2.4.5.2 and 6.10.2.4.5.4.	D	5.3.0	5.4.0
T1-050064	387	-	Rel-5	CR to 34.108 Rel-5: Update to the contents of PHYSICAL CHANNEL RECONFIGURATION message for 1.28 Mcps TDD	F	5.3.0	5.4.0
T1-050065	388	-	Rel-5	CR to 34.108 Rel-5: Update to the contents of TRANSPORT CHANNEL RECONFIGURATION message for 1.28 Mcps TDD	F	5.3.0	5.4.0
T1-050066	389	-	Rel-5	CR to 34.108 Rel-5: Update to the contents of RRC CONNECTION REQUEST message for TDD	F	5.3.0	5.4.0
T1-050072	390	-	Rel-5	Correction to the HSDPA RB Identity in Radio Bearer Setup & Radio Bearer Release message contents	F	5.3.0	5.4.0
T1-050202	391	-	Rel-5	CR to TS 34.108 v5.3.0 - Correction to Default RADIO BEARER RELEASE message (FDD)	F	5.3.0	5.4.0
T1-050239	392	-	Rel-5	Addition of reference radio bearer configuration for MAC-hs testing	F	5.3.0	5.4.0

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T1-050295	393	-	Rel-5	CR to 34.108 Rel-5: Update to the contents of RRC CONNECTION REQUEST message for TDD	F	5.3.0	5.4.0
T1-050296	394	-	Rel-5	CR to 34.108 Rel-5: Update to the contents of Default System Information Block Messages for TDD	F	5.3.0	5.4.0
T1-050297	395	-	Rel-5	CR to 34.108 Rel-5: Add the contents of SIB 5 & 6 for HCR TDD	F	5.3.0	5.4.0
T1-050451r1	396	-	Rel-5	Correction to TFCS ordering	F	5.3.0	5.4.0
T1-050458	397	-	Rel-5	Addition of GPS scenario and A-GPS assistance data values for signalling tests to 34.108	F	5.3.0	5.4.0
T1-050469	398	-	Rel-5	CR to TS34.108 Rel-5; Correction to the physical channel parameters (Revison of T1-050176)	F	5.3.0	5.4.0

Bangalore, India. 31st Jan - 4th Feb 2005

CHANGE REQUEST					
æ	34.108 CR 382 # rev -	₩ Current version: <b>5.3.0</b> <sup>⊯</sup>			
For <u>HELP</u> on t	using this form, see bottom of this page or look a	at the pop-up text over the $\frac{1}{8}$ symbols.			
Proposed change affects: UICC apps MEX Radio Access Network Core Network					
Title:	Updates from core specification changes				
Source:	Spirent Communications				
Work item code:	€ TEI	Date: <mark>⊯ 20/01/2005</mark>			
Category: 3	<ul> <li>F</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier real</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use oneof the following releases:2(GSM Phase 2)lease)R96R97(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 chang	e: X Changes to core spec 25.171 at RAN4 #	#33			
Summary of chan	ge: RESET added to 7.5.2.2. Various clarific	ations and editorial changes			
Consequences if not approved:	B Inconsistencies with core spec				
Clauses affected:	<b>36</b> 7.5.2.2, 10.1, 10.6				
Other specs affected:	YNXOther core specificationsXTest specificationsXO&M Specifications				
Other comments:	<b>3</b> 8				
How to create CRs	s using this form:				

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

- 1) Fill out the above form. The symbols above marked 🔀 contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

#### 7.5.2.2 Procedure

### FFS

I

Step	Direction	Message	Comments
	UE SS		
<u>1</u>	<	RESET UE POSITIONING STORED INFORMATION	TC
<u> 42</u>	<	RRC MEASUREMENT CONTROL	RRC. (Setup, No Reporting, Nav
			model Satellites 1,2,3,4,5)
<del>2</del> 3	<	RRC MEASUREMENT CONTROL	RRC. (Modify, No Reporting,
			Nav model Satellites 6,7,8,9,
			Iono Model)
<u>34</u>	<	RRC MEASUREMENT CONTROL	RRC. (Modify, Periodical
			Reporting Criterion, GPS Ref
			time, ReferencePosition)
4 <u>5</u>	>	RRC MEASUREMENT REPORT	RRC. (Position Estimate)
<mark>56</mark>	>	RRC MEASUREMENT REPORT	RRC. (Position Estimate)
	>		
n	>	RRC MEASUREMENT REPORT	RRC. (Position Estimate)

NOTE: In the actual testing the UE may report error messages at step 4-5 until it has been able to acquire a position estimate.

### NEXT CHANGED SECTION

#### A-GPS Assistance Data 10

#### 10.1 General

This section defines the assistance data IEs which shall be available for use as specified in all A-GPS Performance test cases. The assistance data shall be given for all satellites visible in the tests. [Editor's note: this last statement conflicts with section 10.1.1]

The information elements are given with reference to 3GPP TS 25.331 [34], where the details are defined.

Clauses 10.2 and 10.3 list the assistance data IEs required for testing of UE-based mode, and clauses 10.4 and 10.5 list the assistance data available for testing of UE-assisted mode. Clause 10.6 lists the values of the fields.

The A-GPS minimum performance requirements are defined by assuming that all relevant and valid assistance data is received by the UE in order to perform GPS measurements and/or position calculation. This clause does not include nor consider delays occurring in the various signalling interfaces of the network.

NEXT CHANGED SECTION

#### Contents of Information elements 10.6

[Editors note: It is expected that the notes below will be deleted as the IEs are specified in detail]

Contents of UE positioning GPS reference time IE

Information Element	Value/remark	Version
GPS Week	FFS	
GPS TOW msec	FFS	
UTRAN GPS reference time	FFS	
>UTRAN GPS timing of cell frames	FFS	
>CHOICE mode	FFS	
>>FDD	FFS	
>>>Primary CPICH Info	FFS	
>>TDD	Not present	
>>>cell parameters id	Not present	
>SFN	FFS	
SFN-TOW Uncertainty	FFS	
TUTRAN-GPS drift rate	0	
GPS TOW Assist	lessThan10	
SatID	FFS	
TLM Message	FFS	
TLM Reserved	FFS	
Alert	FFS	
Anti-Spoof	FFS	

Note: For every Test Instance in each TTFF test case, the GPS reference time shall be advanced so that, at the time the fix is made, it is at least 2 minutes later than the previous fix.

Note: For every Test Instance in each TTFF test case, the IE GPS TOW msec shall have a random offset, relative to GPS system time, within the allowed <u>uncertainty error range</u> of Coarse Time Assistance defined in [33]subclause 4.4the test case. This offset value shall have a uniform random distribution.

Note: In addition, for every Fine Time Assistance Test Instance the IE UTRAN GPS timing of cell frames shall have a random offset, relative to the true value of the relationship between the two time references, within the allowed uncertainty error range of Fine Time Assistance defined in [33]subclause 4.4 the test case. This offset value shall have a uniform random distribution.

Note: For the Moving Scenario and Periodic Update Test Case the values of the IEs GPS TOW msec and IE UTRAN GPS timing of cell frames shall be set to the nominal values.

CHANGE REQUEST						
<b>æ</b>	34.108 CR 383 <b>* rev</b> - <sup>*</sup> Current version: 5.3.0 <sup>*</sup>					
For <mark>HELP</mark> on	For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.					
Proposed change	e affects: UICC apps 🕱 ME 🗙 Radio Access Network Core Network					
Title:	Correction to Hand over test procedure in CELL_DCH					
Source:	R Anritsu					
Work item code:	₭ <b>Date:</b> ₭ 2/1/2005					
Category:	FRelease:Rel-5Use one of the following categories:Use one of the following releases:F (correction)2A (corresponds to a correction in an earlier release)R96B (addition of feature),R97C (functional modification of feature)R98D (editorial modification)R99D (editorial modification)R99D tetailed explanations of the above categories canRel-4be found in 3GPP TR 21.900.Rel-5Rel-6(Release 6)					
Reason for chang	<b>Reason for change:</b> According to TS25.331: 8.6.39, New C-RNTI is the parameter for CELL_FACH. Therfore, unnecessary information is specified in Hand over test procedure for CELL_DCH.					
Summary of char	Summary of change: Remove the exception of RB setup message.					
Consequences if not approved:	X Test procedure could lead to confusion.					
Clauses affected	<b>#</b> 734					
Other specs affected:	Y     N       X     Other core specifications       X     Test specifications       X     O&M Specifications					
Other comments.	X     This CR applies for Rel-99 and later releases.					
How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u> . Below is a brief summary:						
1) Fill out the above for	rm. 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 <a href="http://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

## 7.3.4 Test procedure for Handover

Note: This test procedure is also used for some other test cases involving more than 1 cell.

## 7.3.4.1 Initial conditions

System Simulator

- Intra-frequency hard handover and soft handover case:
  - 2 cells, default parameters according to Cell 1 and Cell 2 in clause 6.1.4.
- Inter-frequency hard handover case:
  - 2 cells, default parameters according to Cell 1 and Cell 4 in clause 6.1.4.
- Inter-system handover UTRAN FDD to GSM case:
  - 2 cells, default parameters according to Cell 1 and Cell 9 in clause 6.1.4.
- other test cases using this test procedure:
  - Number of cells and parameters for specific tests are defined in TS 34.121 [2] and take priority over the default parameters.

#### 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 6.1.0b are used with the following exceptions.

#### Contents of System information block type 1: RRC

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

Contents of System Information Block type 5 (FDD)

Information Element	Value/remark
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	FDD
<ul> <li>Secondary scrambling code</li> </ul>	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
<ul> <li>Pilot symbol existence</li> </ul>	FALSE
- TFCI existence	TRUE (default value)
<ul> <li>Fixed or Flexible position</li> </ul>	Flexible (default value)
- Timing offset	Not Present
	Absence of this IE is equivalent to default
	value 0

For the intra-frequency hard handover and soft handover case 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 case 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 case 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	Direction		Message	Comments
	UE S	SS		
1	<		SYSTEM INFORMATION (BCCH)	Broadcast
2	<		PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
3	>		RRC CONNECTION REQUEST (CCCH)	RRC
4	<		RRC CONNECTION SETUP (CCCH)	RRC
5	>		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>		PAGING RESPONSE	RR
7	<		AUTHENTICATION REQUEST	MM
8	>		AUTHENTICATION RESPONSE	MM
9	<		SECURITY MODE COMMAND	RRC
10	>		SECURITY MODE COMPLETE	RRC
11	<		ACTIVATE RB TEST MODE	TC
12	>		ACTIVATE RB TEST MODE COMPLETE	TC
13	<		RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL_DCH"
14	>		RADIO BEARER SETUP COMPLETE	RRC
15	<		RRC CONNECTION RELEASE	RRC
16	>		RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

Step	Direction		Message	Comments
	UE	SS		
1	<	:	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	:	PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)
3		->	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	:	RRC CONNECTION SETUP (CCCH)	RRC
5		->	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6		->	SERVICE REQUEST	GMM
7	<	:	AUTHENTICATION AND CIPHERING REQUEST	GMM
8		->	AUTHENTICATION AND CIPHERING RESPONSE	GMM
9	<	:	SECURITY MODE COMMAND	RRC
10		->	SECURITY MODE COMPLETE	RRC
11	<	:	ACTIVATE RB TEST MODE	TC
12		->	ACTIVATE RB TEST MODE COMPLETE	TC
13	<	:	RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL DCH"
14		->	RADIO BEARER SETUP COMPLETE	RRC
15	<	(	RRC CONNECTION RELEASE	RRC
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	Value/remark
New C-RNTI	<u>'1010 1010 1010 1010'</u>
RRC State indicator	CELL_DCH

## Contents of Attach Accept message: GMM

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

# 3GPP TSG-T1 Meeting #26 Bangalore, India 31<sup>st</sup> January – 4<sup>th</sup> Febuary, 2005

# Tdoc **#** T1-050380

CHANGE REQUEST						
*	<mark>34.108</mark> CR <mark>384 </mark> ⊮r€	<b>V - <sup>H</sup></b> Curre	ent version: <b>5.3.0</b> <sup>BE</sup>			
For <mark>HELP</mark> or	using this form, see bottom of this page	e or look at the pop-	up text over the <b>X</b> symbols.			
Proposed chang	e affects: UICC apps <mark>#</mark> MI	<b>X</b> Radio Access	Network Core Network			
Title:	CR to 34.108: Changes to test frequencies	uencies for UMTS 8	50 Band			
Source:	X Motorola, R&S					
Work item code:	# UMTS 850	Ľ	Date: 🕱 31/01/2005			
Category:	<ul> <li>B</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories</li> <li>be found in 3GPP <u>TR 21.900</u>.</li> </ul>	<b>Rele</b> Use (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	ase:       ℜ       Rel-5         a 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: 🔀	This change request is necessary because the mid range was not correct according to the core requriements as well as high range for band V. Correction to the low and high range for band VI to align with core specification.			
Summary of change: Change the mid range to be aligned with core specification 25.101. Change the high range to be aligned with core specification 25.101 Changed the low and high range for band VI to be aligned with core 25.101.				
Consequences if Ronal Reproved:	The mid and high frequency values would not be correct for band V.			
Clauses affected: #	5.1			
Other specs	Y N X Other core specifications			
affected:	X     Test specifications       X     O&M Specifications			
Other comments: ೫	This CR is to be treated as release independent.			

# 5 Reference Test Conditions

## 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 for FDD and 3.84 Mcps TDD option, and 0.8 MHz for 1.28 Mcps TDD option since the channel's width is 1.6 MHz. The raster spacing is 200KHz. Similarly the highest test frequency (downlink and uplink) needs to be offset downwardly by at least 2.6 MHz for FDD and 3.84 Mcps TDD option, and 0.8 MHz for 1.28 Mcps TDD option.

- 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 for FDD and 3.84 Mcps TDD option, and 0.8 MHz for 1.28 Mcps TDD option.
- 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].

## 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 5 operating bands are defined in the following tables:

5.1.1.1	FDD reference test free	quencies for O	perating Band I
••			

			-	8
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 refe	rence test frequer	ncies for Oper	ating 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 Void

5.1.1.5	FDD reference	e test	frequencie	s for Operati	ing Band V
-	 	_			-

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	4133	826.6 MHz	4358	871.6 MHz
Mid Range	<u>41824175</u>	<mark>834<u>835</u>.4</mark> MHz	<u>44074400</u>	<mark>879<u>880</u>.4-</mark> MHz
High Range	4232	<mark>842<u>846</u>.4 MHz</mark>	4457	<mark>887</mark> 891.4 MHz

# 5.1.1.6 FDD reference test frequencies for Operating Band VI

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	<del>812<u>4163</u></del>	832. <mark>5-<u>6</u>MHz</mark>	<u>1 0374388</u>	877. <mark>5-<u>6</u>MHz</mark>
Mid Range	4175	835.0MHz	4400	880.0 MHz
High Range	<del>837<u>4187</u></del>	837. <mark>5-4</mark> MHz	<del>1 062<u>4412</u></del>	882. <mark>5-<u>4</u>MHz</mark>

## 3GPP TSG-T1 Meeting #26 Bangalore, India, 31<sup>st</sup>Jan – 4<sup>th</sup> Feb, 2005

# Tdoc 😠 T1-050019

	CHANGE REQUE	CR-Form-v7
æ	34.108 CR 385 #rev -	Current version: 5.3.0
For <u>HELP</u> or	n using this form, see bottom of this page or look	at the pop-up text over the $\frac{2}{3}$ symbols.
Proposed chang	e affects: │ UICC apps <mark>೫ </mark> ME X Ra	dio Access Network Core Network
Title:	Correction to default SIB configurations	
Source:	X Anite	
Work item code:	₩ TEI	<b>Date:</b> <mark>₭ 24/01/2005</mark>
Category:	<ul> <li>F</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier release)</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use one of the following releases:2(GSM Phase 2)R96R97(Release 1996)R97R98(Release 1997)R99Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)

Reason for change: #	<ol> <li>SIB16 is mandatory only for the InterSystem Handover test cases from GERAN TO UTRAN. As per 34.108 section 6.1.0a.1, SIB16 is Mandatory for InterSys HO. However in the TTCN implementation for the InterSystem HO test cases from UTRAN to GERAN (8.3.7 series) SIB 16 is not broadcasted.</li> <li>As per 34.108 section 6.1.0.a.2 for Inter System HO cases "Configuration 3" should be used. However in the TTCN implementation for the InterSystem HO test cases from UTRAN to GERAN (8.3.7 series) "Configuration 1" is used and for the InterSystem HO from GERAN To UTRAN test cases "Configuration 3" is used.</li> <li>In "Intra-frequency measurement system information" the "Intra-frequency cell id " for Cell 8 should be present only for conditions "A1 and A3". Note: This CR aligns 34.108 to TTCN implementation.</li> </ol>
Summary of change: ⊮	<ol> <li>In section 6.1.0a.1 presence for SIB 16 is made Mandatory for InterSys HO from GERAN To UTRAN.</li> <li>In section 6.1.0.a.2 "Configuration 1" set to be used for the InterSystem HO test cases from UTRAN to GERAN and "Configuration 3" is to be used for the InterSystem HO test cases from GERAN to UTRAN.</li> <li>In section 6.1.0b condition A1, A3 added for IE "Intra-frequency cell id" for Cell 8.</li> </ol>
Consequences if # not approved:	Inconsistency in SIB configuation between the 34.108 and TTCN implemenetation will remain.

Clauses affected: # 6.1.0a.1, 6.1.0a.2 and 6.1.0b (SIB 11 configuration only)

#### How to create CRs using this form:

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

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

3GPP

## << START OF MODIFIED SECTION >>

#### Default Master Information Block and Scheduling Block messages 6.1.0a

#### 6.1.0a.1 Grouping SIBs for testing

Mandatory in 34.108	Used in Idle Mode	MIB, SB1, (SB2), SIB1, SIB2, SIB3, SIB5, SIB7, SIB11
	Used in Connected Mode	SIB4, SIB6, SIB12
Mandatory for FDD CPCH		SIB8, SIB9
Mandatory for FDD DRAC		SIB10
Mandatory for TDD		SIB14, SIB17
Mandatory for LCS		SIB15, SIB15.1, SIB15.2, SIB15.3
Mandatory for ANSI-41 system		SIB13, SIB13.1, SIB13.2, SIB13.3, SIB13.4
Mandatory for InterSys HO from GERAN To UTRAN		SIB16
Mandatory for Cell reselection		SIB18

#### 6.1.0a.2 SIB configurations

Currently three SIB configurations are used.

Configuration 1 is the default. It is used for the following test case scenarios:

- both-UTRAN/FDD only SYSTEM,
- -and-UTRAN/FDD + GERAN SYSTEM (not involving inter-RAT handover from GERAN to UTRAN), or both
- UTRAN/TDD <u>only</u>SYSTEM, and
- UTRAN/TDD + GERAN SYSTEM (not involving inter-RAT handover from GERAN to UTRAN),
- inter-RAT handover from UTRAN to GERAN test cases.

Configuration 2 is for test cases which need two S\_CCPCH or two PRACH.

Configuration 3 is for inter-RAT handover from GERAN to UTRAN test cases.

Configuration 1	MIB, SB1, SIB1, SIB2, SIB3, SIB4, SIB5, SIB6, SIB7, SIB11, SIB12, SIB18
Configuration 2	MIB, SB1, SIB1, SIB2, SIB3, SIB4, SIB5, SIB7, SIB11, SIB12, SIB18
Configuration 3	MIB, SB1, SIB1, SIB2, SIB3, SIB4, SIB5, SIB7, SIB11, SIB16, SIB18

## << END OF MODIFIED SECTION >>

...

## << START OF MODIFIED SECTION >>

## 6.1.0b Default System Information Block Messages

Contents of System Information Block type 11 (FDD)

This is the default message content of SIB 11 for cell 1.

See sub-clause 6.1.4 for the difference in message contents of System Information Block type 11 (FDD) for cell 2 to 8.

- SIB12 indicator	A1, A2,	TRUE
- FACH measurement occasion info	/10	Not Present
<ul> <li>Measurement control system information</li> <li>Use of HCS</li> </ul>		Not used
- Cell selection and reselection quality measure		CPICH RSCP
<ul> <li>Intra-frequency measurement system</li> </ul>	A1, A2,	
- Intra-frequency measurement identity	AS	Not Present
		Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list		Not present
		(This IE shall be ignored by the UE for SIB11)
- New intra-frequency cells		1
- Cell info		
- Cell individual offset		Not present
- Reference time difference to cell		Not Present
- Read SFN indicator		FALSE
- CHOICE mode - Primary CPICH info		FDD
- Primary scrambling code		Refer to clause titled "Default settings for cell No.1
- Primary CPICH TX power		(FDD)" in clause 6.1.4 Not Present
- TX Diversity indicator		FALSE
- Cell Selection and Re-selection info		Not Present
- Intra-frequency cell id		2
- Cell info		
		Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not present
- Read SFN indicator - CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Refer to clause titled "Default settings for cell No.2 (EDD)" in clause 6.1.4
- Primary CPICH TX power		Not Present
- TX Diversity indicator		FALSE Not present
		For neigbouring cell, if HCS is not used and all the
		parameters in cell selection and re-selection info are
- Intra-frequency cell id		3
- Cell info		Same content as specified for Intra-frequency cell
		scrambling code shall be according to clause titled
la tao farana a cui a llial		"Default settings for cell No.3 (FDD)" in clause 6.1.4
- Intra-frequency cell ld - Cell info	A1, A3	7 Same content as specified for Intra-frequency cell
		id=2 with the exception that value for Primary
		scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
- Intra-frequency cell id	<u>A1,A3</u>	8
- Cell info		Same content as specified for Intra-frequency cell
		scrambling code shall be according to clause titled
latra fraguancy call id	۸ <b>۵</b>	"Default settings for cell No.8 (FDD)" in clause 6.1.4
- Cell info	AS	Same content as specified for Intra-frequency cell
		id=2 with the exception that value for Primary
		"Default settings for cell No.11 (FDD)" in clause
Colle for modeursment	A1 A2	6.1.4 Not Present
	A1, A2, A3	

- Intra-frequency measurement quantity	A1, A2, A3	
- Filter coefficient	70	Not present Absence of this IE is equivalent to the default value
- CHOICE mode - Measurement quantity - Intra-frequency reporting quantity for RACH		0 FDD CPICH RSCP Not Present
<ul> <li>Maximum number of reported cells on RACH</li> <li>Reporting information for state CELL_DCH</li> <li>Intra-frequency reporting quantity</li> <li>Reporting quantities for active set cells</li> </ul>		Not Present
<ul> <li>Cell synchronisation information reporting indicator</li> </ul>		FALSE
<ul> <li>Cell identity reporting indicator</li> <li>CHOICE mode</li> <li>CPICH Ec/N0 reporting indicator</li> <li>CPICH RSCP reporting indicator</li> <li>Pathloss reporting indicator</li> <li>Reporting quantities for monitored set cells</li> </ul>		TRUE FDD FALSE TRUE FALSE
<ul> <li>Cell synchronisation information reporting indicator</li> </ul>		TRUE
<ul> <li>Cell identity reporting indicator</li> <li>CHOICE mode</li> <li>CPICH Ec/N0 reporting indicator</li> <li>CPICH RSCP reporting indicator</li> <li>Pathloss reporting indicator</li> <li>Reporting quantities for detected set cells</li> <li>Measurement reporting mode</li> <li>Measurement Report Transfer Mode</li> <li>Periodic Reporting/Event Trigger Reporting</li> </ul>		TRUE FDD FALSE TRUE FALSE Not Present Acknowledged mode RLC Event trigger
Mode - CHOICE report criteria - Intra-frequency measurement reporting criteria		Intra-frequency measurement reporting criteria
<ul> <li>Parameters required for each event</li> <li>Intra-frequency event identity</li> <li>Triggering condition 1</li> <li>Triggering condition 2</li> <li>Reporting Range Constant</li> <li>Cells forbidden to affect Reporting range</li> <li>W</li> <li>Hysteresis</li> <li>Threshold Used Frequency</li> <li>Reporting deactivation threshold</li> </ul>		3 kinds 1a Not Present Monitored set cells 5dB Not Present 1.0 0.0 Not Present 2
<ul> <li>Replacement activation threshold</li> <li>Time to trigger</li> <li>Amount of reporting</li> </ul>		Not Present 640 4
<ul> <li>Reporting interval</li> <li>Reporting cell status</li> <li>CHOICE reported cell</li> </ul>		4000 Report cell within active set and/or monitored set
<ul> <li>Maximum number of reported cells</li> <li>Intra-frequency event identity</li> <li>Triggering condition 1</li> <li>Triggering condition 2</li> <li>Reporting Range Constant</li> <li>Cells forbidden to affect Reporting range</li> </ul>		3 1b Active set cells Not Present 5dB Not Present
<ul> <li>W</li> <li>Hysteresis</li> <li>Threshold Used Frequency</li> <li>Reporting deactivation threshold</li> <li>Replacement activation threshold</li> </ul>		1.0 0.0 Not Present Not Present Not Present
- Time to trigger - Amount of reporting - Reporting interval		640 Not Present Not Present

- Reporting cell status		Poport coll within active set and/or monitored set
		cells on used frequency
<ul> <li>Maximum number of reported cells</li> </ul>		3
- Intra-frequency event identity		
- I riggering condition 1		Not Present
- I riggering condition 2		Not Present
- Cells forbidden to affect Reporting range		Not Present
- W		Not Present
- Hvsteresis		0.0
- Threshold Used Frequency		Not Present
- Reporting deactivation threshold		Not Present
- Replacement activation threshold		3
- Time to trigger		640
- Amount of reporting		4
- Reporting interval		4000
		Report cell within active set and/or monitored set
		cells on used frequency
- Maximum number of reported cells		3
- Inter-frequency measurement system	A1, A2	
information		
<ul> <li>Inter-frequency cell info list</li> </ul>		
<ul> <li>CHOICE Inter-frequency cell removal</li> </ul>		Not present
		(This IE shall be ignored by the UE for SIB11)
- New inter-frequency cells		4
- Inter frequency cell la		4
- CHOICE mode		FDD
- UARFCN uplink(Nu)		Not present
		Absence of this IE is equivalent to apply the default
		duplex distance defined for the operating frequency
		according to 25.101
- UARFCN downlink(Nd)		Reference to table 6.1.2 for Cell 4
- Cell info		
- Cell Individual offset		Not present Absonce of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not present
- Read SFN indicator		FALSE
- CHOICE mode		FDD
- Primary CPICH info		
<ul> <li>Primary scrambling code</li> </ul>		Refer to clause titled "Default settings for cell No.4
		(FDD)" in clause 6.1.4
- Primary CPICH Ix power		Not present
- TX Diversity indicator		FALSE
- Inter frequency cell id		5
- Frequency info		Not Present
- 1		Absence of this IE is equivalent to value of the
		previous "frequency info" in the list.
- Cell info		Same content as specified for Inter-frequency cell
		id=4 with the exception that value for Primary
		scrambling code shall be according to clause titled
Inter frequency coll id		Default settings for cell No.5 (FDD) In clause 6.1.4
- Intel frequency cell lu		0 Not Present
		Absence of this IE is equivalent to value of the
		previous "frequency info" in the list.
- Cell info		Same content as specified for Inter-frequency cell
		id=4 with the exception that value for Primary
		scrambling code shall be according to clause titled
		"Default settings for cell No.6 (FDD)" in clause 6.1.4
- Cell for measurement	A1 A2	Not present
- Inter-RAT measurement system information	A1, A3	
information	~2	
- Inter-RAT cell info list		
		·

- CHOICE Inter-RAT cell removal		Not Present
- New inter-RAT cells		
- Inter-RAT cell id		q
- CHOICE Radio Access Technology		GSM
- GSM		
- Cell individual offset		0
- Cell selection and re-selection info		Not Present
- BSIC		
- Base transceiver Station Identity Code		Reference to table 6.1.10 for Cell 9
(BSIC)		
- Band indicator		According to PICS/PIXIT
- BCCH ARFCN		Reference to table 6.1.10 for Cell 9
- Inter-RAT cell id		10
- CHOICE Radio Access Technology		GSM
- GSM		
<ul> <li>Cell individual offset</li> </ul>		0
<ul> <li>Cell selection and re-selection info</li> </ul>		Not Present
- BSIC		
<ul> <li>Base transceiver Station Identity Code</li> </ul>		Reference to table 6.1.10 for Cell 10
(BSIC)		
<ul> <li>Band indicator</li> </ul>		According to PICS/PIXITs
- BCCH ARFCN		Reference to table 6.1.10 for Cell 10
- Cell for measurement		Not present
<ul> <li>Traffic volume measurement system</li> </ul>	A1, A2,	Not Present
information	A3	

Condition	Explanation	
A1	FDD cell environment	
A2	FDD/GSM inter-RAT cell environment	
A3	FDD intra-frequency cell environment (6 intra-frequency cells without inter-frequency cells)	

## << END OF MODIFIED SECTION >>

CHANGE REQUEST					
æ	<b>34.108</b> CR <b>386 # rev</b> - <b>#</b> Current version: <b>5.3.0</b>	æ			
For <u>HELP</u> or	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the $\frac{3}{8}$ symbols.				
Proposed chang	ge affects: UICC apps <mark>#</mark> ME X Radio Access Network X Core Ne	twork			
Title:	Editorial corrections in HSDPA RAB configurations 6.10.2.4.5.2 and 6.10.2.4.5	5.4.			
Source:	₩ NEC				
Work item code:	: # HSDPA Date: # 17/01/05				
Category:	Image: Section of the following categories:       Release:       Release:       Rel-5         Use one of the following categories:       Use one of the following relegation       Use one of the following relegation         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       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)	ases:			

Reason for change: ⊮	<ol> <li>The table for MAC-d flow parameters for Interactive or background / DL: [max bit rate depending on UE category] / PS RAB is defined in 6.10.2.4.5.1 and in 6.10.2.4.5.2.</li> <li>UE HS-DSCH Physical Layed categories are defined in 6.10.2.4.5.1 and in 6.10.2.4.5.2.</li> <li>Both should be defined only in 6.10.2.4.5.1 and clause 6.10.2.4.5.2 shoud refer to 6.10.2.4.5.1.</li> <li>The title in clause 6.10.2.4.5.4.1.1.1 is incorrect.</li> </ol>	
Summary of change: ₩	<ol> <li>The table in 6.10.2.4.5.2.2.1.1.1 is replaced with reference to clause 6.10.2.4.5.1.2.1.1.1.</li> <li>Contents of clause 6.10.2.4.5.2.2.2.2 replaced with reference to clause 6.10.2.4.5.1.2.2.2.</li> <li>Title of the clause 6.10.2.4.5.4.1.1.1 'Transport channel parameters for Conversational / speech / UL:64 kbps / CS RAB' replaced with 'Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB'</li> </ol>	
Consequences if Maintenanace of the specification could potentially become an issue.		
Clauses affected: # 6.10.2.4.5.2.2.1.1.1, 6.10.2.4.5.2.2.2 and 6.10.2.4.5.4.1.1.1.		
Other specs # affected:	Y       N         X       Other core specifications         X       Test specifications         X       O&M Specifications	

#### Other comments: 🛛 🕱

#### How to create CRs using this form:

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

<START OF MODIFIED SECTION>

- 6.10.2.4.5 Combinations on DPCH and HS-PDSCH
- 6.10.2.4.5.1 Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.5.1.1 Uplink

See clause 6.10.2.4.1.26.1.

- 6.10.2.4.5.1.2 Downlink
- 6.10.2.4.5.1.2.1 Transport channel parameters
- 6.10.2.4.5.1.2.1.1 Transport channel parameters for HS-DSCH

6.10.2.4.5.1.2.1.1.1 MAC-d flow parameters for Interactive or background / DL: [max bit rate depending on UE category] / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320 (alt. 640)
	Max data rate, bps	depends on UE category NOTE1
	AMD PDU header, bit	16
MAC	MAC-d header, bit	0
	MAC multiplexing	N/A
	MAC-d PDU size, bit	336 (alt. 656)
	MAC-hs header fixed part, bit	21
Layer 1	TrCH type	HS-DSCH
-	TTI	2 ms
	Coding type	TC
	CRC, bit	24

NOTE1: The peak throughput may be limited by the maximum number of MAC-d PDUs that can be included in a single MAC-hs PDU (see [25.321]).

6.10.2.4.5.1.2.1.2 Transport channel parameters for DCH

6.10.2.4.5.1.2.1.2.1 Transport channel parameters for UL:3.4 DL: 3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.5.1.2.1.2.2 TFCS

See clause 6.10.2.4.1.2.2.1.2.

- 6.10.2.4.5.1.2.2 Physical channel parameters
- 6.10.2.4.5.1.2.2.1 Physical channel parameters on DPCH

See clause 6.10.2.4.1.2.2.2.

## 6.10.2.4.5.1.2.2.2 Physical channel parameters on HS-PDSCH

Note that each alternative configuration in physical channel parameters is stand-alone and can be associated with any of the RAB alternatives in the transport channel parameters.

UE HS-DSCH Physical Layer category 1:

HS-PDSCH	Number of processes	2, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	1.2Mbps, (alt. 400kbps)

UE HS-DSCH Physical Layer category 2:

HS-PDSCH	Number of processes	2, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	1.2Mbps, (alt. 600kbps)]

### UE HS-DSCH Physical Layer category 3:

HS-PDSCH	Number of processes	3, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	1.8Mbps, (alt. 900kbps)

### UE HS-DSCH Physical Layer category 4:

HS-PDSCH	Number of processes	3, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	1.8Mbps, (alt. 1.2Mbps)

## UE HS-DSCH Physical Layer category 5:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	3.65Mbps, (alt. 3.6Mbps)

## UE HS-DSCH Physical Layer category 6:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	3.65Mbps, (alt. 3.65Mbps)

UE HS-DSCH Physical Layer category 7:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	7.2Mbps, (alt. 7.2Mbps)

### UE HS-DSCH Physical Layer category 8:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	7.2Mbps, (alt. 7.2Mbps)

## UE HS-DSCH Physical Layer category 9:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	10.1Mbps, (alt. 10.1Mbps)

UE HS-DSCH Physical Layer category 10:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	14.0Mbps, (alt. 10.8Mbps)

UE HS-DSCH Physical Layer category 11:

HS-PDSCH	Number of processes	3, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	900kbps, (alt. 450kbps)

UE HS-DSCH Physical Layer category 12:

HS-PDSCH	Number of processes	6, (alt. 8)
	Process memory size	Split equally among all processes
	Max Data Rate	1.8Mbps, (alt. 1.8Mbps)

6.10.2.4.5.2 Interactive or background / UL:384 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.5.2.1 Uplink

See clause 6.10.2.4.1.34.1.

- 6.10.2.4.5.2.2 Downlink
- 6.10.2.4.5.2.2.1 Transport channel parameters
- 6.10.2.4.5.2.2.1.1 Transport channel parameters for HS-DSCH
- 6.10.2.4.5.2.2.1.1.1 MAC-d flow parameters for Interactive or background / DL: [max bit rate depending on UE category] / PS RAB

## See clause 6.10.2.4.5.1.2.1.1.1.

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	<del>320 (alt. 640)</del>
	Max data rate, bps	depends on UE category NOTE1
	AMD PDU header, bit	<del>16</del>
MAC	MAC-d header, bit	θ
	MAC multiplexing	N/A
	MAC-d PDU size, bit	<del>336 (alt. 656)</del>
	MAC-hs header fixed part, bit	<del>21</del>
Layer 1	TrCH type	HS-DSCH
-	ŦĦ	<del>2 ms</del>
	Coding type	<del>TC</del>
	CRC, bit	24

NOTE1: The peak throughput may be limited by the maximum number of MAC d PDUs that can be included in a single MAC hs PDU (see [25.321]).

6.10.2.4.5.2.2.1.2 Transport channel parameters for DCH

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.5.2.2.1.2.2 TFCS

See clause 6.10.2.4.1.2.2.1.2.

6.10.2.4.5.2.2.2 Physical channel parameters

6.10.2.4.5.2.2.2.1 Physical channel parameters on DPCH

See clause 6.10.2.4.1.2.2.2.

6.10.2.4.5.2.2.2.2 6.10.2.4.5.2.2.2. Physical channel parameters on HS-PDSCH

See clause 6.10.2.4.5.1.2.2.2.

Note that each alternative configuration in physical channel parameters is stand-alone and can be associated with any of the RAB alternatives in the transport channel parameters.

#### **UE HS DSCH Physical Layer category 1:**

HS-PDSCH	Number of processes	<del>2, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	1.2Mbps, (alt. 400kbps)

**UE HS DSCH Physical Layer category 2:** 

HS-PDSCH	Number of processes	<del>2, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	1.2Mbps, (alt. 600kbps)]

**UE HS DSCH Physical Layer category 3:** 

HS PDSCH	Number of processes	<del>3, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	1.8Mbps, (alt. 900kbps)

#### **UE HS DSCH Physical Layer category 4:**

HS PDSCH	Number of processes	<del>3, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>1.8Mbps, (alt. 1.2Mbps)</del>

**UE HS-DSCH Physical Layer category 5:** 

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>3.65Mbps, (alt. 3.6Mbps)</del>

## UE HS DSCH Physical Layer category 6:

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>3.65Mbps, (alt. 3.65Mbps)</del>

#### **UE HS DSCH Physical Layer category 7:**

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>7.2Mbps, (alt. 7.2Mbps)</del>

## UE HS DSCH Physical Layer category 8:

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>7.2Mbps, (alt. 7.2Mbps)</del>

## UE HS-DSCH Physical Layer category 9:

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>10.1Mbps, (alt. 10.1Mbps)</del>

## UE HS DSCH Physical Layer category 10:

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>14.0Mbps, (alt. 10.8Mbps)</del>

## UE HS DSCH Physical Layer category 11:

HS PDSCH	Number of processes	<del>3, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	<del>900kbps, (alt. 450kbps)</del>

UE HS DSCH Physical Layer category 12:

HS PDSCH	Number of processes	<del>6, (alt. 8)</del>
	Process memory size	Split equally among all processes
	Max Data Rate	1.8Mbps, (alt. 1.8Mbps)

<START OF MODIFIED SECTION>

6.10.2.4.5.4 Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.5.4.1 Uplink

- 6.10.2.4.5.4.1.1 Transport channel parameters
- 6.10.2.4.5.4.1.1.1 Transport channel parameters for Conversational / <u>unknown speech</u> / UL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.5.4.1.1.2 Transport channel parameters for Interactive or background / UL:384 kbps / PS RAB See clause 6.10.2.4.1.34.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.5.4.1.1.4 TFCS

TFCS size	36 (alt. 24)
TFCS	(64 kbps RAB, 384 kbps RAB , DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF0, TF3, TF0), (TF1, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF0, TF5, TF0), (TF1, TF5, TF0),
	(TF0, TF6, TF0), (TF1, TF6, TF0), (TF0, TF7, TF0), (TF1, TF7, TF0),
	(TF0, TF8, TF0), (TF1, TF8, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1),
	(TF0, TF1, TF1), (TF1, TF1, TF1), (TF0, TF2, TF1), (TF1, TF2, TF1),
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF0, TF4, TF1), (TF1, TF4, TF1),
	(TF0, TF5, TF1), (TF1, TF5, TF1), (TF0, TF6, TF1), (TF1, TF6, TF1),
	(TF0, TF7, TF1), (TF1, TF7, TF1), (TF0, TF8, TF1), (TF1, TF8, TF1)
	(alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF0, TF3, TF0), (TF1, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF0, TF5, TF0), (TF1, TF5, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1),
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF0, TF3, TF1), (TF1, TF3, TF1),
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF0, TF5, TF1), (TF1, TF5, TF1))

DPCH	Min spreading factor	4
Uplink	Max number of DPDCH data bits/radio frame	9600
	Number of DPDCH	1
	Puncturing Limit	0.64

#### 6.10.2.4.5.4.1.2 Physical channel parameters

- 6.10.2.4.5.4.2 Downlink
- 6.10.2.4.5.4.2.1 Transport channel parameters
- 6.10.2.4.5.4.2.1.1 Transport channel parameters for HS-DSCH

See clause 6.10.2.4.5.1.2.1.1.1.

6.10.2.4.5.4.2.1.2 Transport channel parameters for DCH

6.10.2.4.5.4.2.1.2.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.5.4.2.1.2.2 Transport channel parameters for UL:3.4 DL: 3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.5.4.2.1.2.3 TFCS

See clause 6.10.2.4.1.13.2.1.3.

- 6.10.2.4.5.4.2.2 Physical channel parameters
- 6.10.2.4.5.4.2.2.1 Physical channel parameters on DPCH

See clause 6.10.2.4.1.13.2.2.

6.10.2.4.5.4.2.2.2 Physical channel parameters on HS-PDSCH

See clause 6.10.2.4.5.1.2.2.2.

<END OF MODIFIED SECTION>

## 3GPP TSG–T1 Meeting #26 Bangalore, India, Jan 31<sup>th</sup> – Feb 4<sup>th</sup> 2005

# Tdoc <mark>#</mark> T1-050064

		CR-Form-v7
	CHANGE REQUEST	
æ	<b>34.108</b> CR <sup>387</sup> <b># rev - #</b> C	urrent version: <b>5.3.0</b> <sup>æ</sup>
For <u>HELP</u> on t	using this form, see bottom of this page or look at the p	pop-up text over the <b>#</b> symbols.
Proposed change	affects: UICC apps <sup>38</sup> ME X Radio Acce	ess Network Core Network
Title: អ	CR to 34.108 Rel-5: Update to the contents of PHYS RECONFIGURATION message for 1.28 Mcps TDD	SICAL CHANNEL
Source:	CATT/CCSA	
Work item code:	LCR TDD	Date: 🕱 20/01/2005
Category: ⊮	<ul> <li>F R</li> <li>Correction)</li> <li>A (corresponds to a correction in an earlier release)</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use one 2of the following releases: 22(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 chang	<ul> <li>There are no contents for condition A7 to 2. There are no contents of Downlink DPC A4.</li> <li>There are some editing errors.</li> </ul>	o A10 in the message. H info for each RL for condition

Summary of change:⊯	<ol> <li>To add contents for condition A7 to A10 in the message.</li> <li>To add contents of Downlink DPCH info for each RL for condition A4</li> <li>To correct some editing errors.</li> </ol>
Consequences if # not approved:	f The test case will not executed rightly for TDD.
Clauses affected: #	<b>€</b> 9.1.2
Other specs # affected:	Y       N         Image: Construction of the construction of

*Other comments:* **\*** The CR is only connected with TDD test cases.

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

Information Element	Condition	Value/remark	Version
Message Type	A1, A2, A3,		
	A4, A5, A6,		
	A7, A8, A9,		
	A10		
RRC transaction identifier		Arbitrarily selects an integer between 0	
		and 3	
Integrity check info			
<ul> <li>message authentication code</li> </ul>		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.	
<ul> <li>RRC message sequence number</li> </ul>		SS provides the value of this IE, from	
		its 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	
Activation time	A4, A5, A6,	Not Presentinow	
	<u>A7, A8, A9,</u>		
New LI-RNTI	<u> <u> </u></u>	Not Present	
New C-RNTI	Δ1 Δ2 Δ3	Not Present	
	A1, A2, A3, A4 A7 A8	Not resent	
	A9 A10		
New C-RNTI	A5 A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1 A2 A3	Not Present	
	A4, A5, A6,		
	A7. A8. A9.		
	A10		
New H-RNTI	A1, A2, A3,	Not Present	REL-5
	A4, A5, A6,		_
	A7, A8, A9,		
	<u>A10</u>		
RRC State indicator	A1, A2, A3,	CELL_DCH	
	A4		
RRC State indicator	A5, A6	CELL_FACH	
RRC State indicator	<u>A7, A8</u>	URA PCH	
RRC State indicator	<u>A9, A10</u>	CELL_PCH	
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present	
	A4, A5, A6		
UTRAN DRX cycle length coefficient	<u>A7, A8, A9,</u>	<u>3</u>	
ON information info	<u>A10</u>	Not Drospat	
		Not Present	
UKA Identity		Not Present	
Erequency info	A1 A2 A2		
	Δ1, Α2, Α3,		
- Choice mode	A4, A0	חחד	
- LIARECN (Nt)		Reference to clause 5.1 Test	
		frequencies	
Frequency info	A6, A7, A8	Not Present	
	A9, A10		
Maximum allowed UL TX power		33dBm	
CHOICE channel requirement	A5, A6 <u>, A7</u> ,	Not Present	
	<u>A8, A9,</u>		
	<u>A10</u>		
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info	
	A4		
- Uplink DPCH power control info			
- CHOICE mode		TDD	
- CHOICE IDD option		1.28 Mcps IDD	
- PRXPDPCHdes		-80 Integer(-12058 by step of	

Information Element	Condition	Value/remark	Version
		1)	
- CHOICE UL OL PC info		Individually Signalled	
- CHOICE TDD option		1.28 Mcps TDD	
- TPC step size		1	
- 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	
<ul> <li>Uplink synchronisation parameters</li> </ul>			
- Uplink synchronisation step size		1	
- Uplink synchronisation frequency		1	
- Synchronisation parameters		04040404	
		01010101	
- FPACH INTO			
- Timeslot number		16/16	
- Unannelisation code Midambla Shift and hurst tuna		CT/01	
		1 28 Mone TOD	
- Midamble Allocation Mode		Default midamble	
- Midamble configuration		$16 \ln t_{eq} = r(2 \ 1 \ 6 \ 8 \ 10 \ 12 \ 14 \ 16)$	
		4  Integer(1, 4)	
PRXUpPCHdes		-80 dBm	
- Max SYNC UL Transmissions		2	
- Power Ramp Step			
- UL CCTrCH List		-	
- TFCS ID		1	
- UL Target SIR		Real (-11 20 by step of 0.5dB)	
, č		Reference to TS34.108 Parameter set.	
- Time info			
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256	
- Duration		Infinite	
- Common timeslot info			
- 2 <sup>nd</sup> interleaving mode		Default value is "Frame"	
TFCI coding		Reference to TS34.108 clause 6	
		Parameter set	
<ul> <li>Puncturing limit</li> </ul>		Reference to TS34.108 clause 6	
		Parameter set	
- Repetition period		1	
- Repetition length		Null	
- Uplink DPCH timeslots and code			
- Dynamic SF usage		FALSE	
- First individual timeslot info			
		1 29 Mara TDD	
- UNUCE IDD Option			
- IFUI EXISLENCE - Midamble shift and hurst tupa			
		1 28 Mcns TDD	
- Midamble allocation mode		Default midamble	
- Midamble configuration			
- Midamble Shift		Not Present	
- CHOICE TDD ontion		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> <li>UL CCTrCH List to Remove</li> </ul>		Not present	

Information Element	Condition	Value/remark	Version
			Version
	$\Lambda 1, \Lambda 2, \Lambda 3,$		
	A4, A5, A0		
	<u>A1, A0, A9,</u>		
Downlink HS PDSCH Information		Not Procent	DEL 5
Downlink his-r dsch inionnation	A1, A2, A3,	Not Flesent	NEL-5
	A4, A5, A0,		
	<u>A7, A0, A9,</u>		
Deventinte information according for all madia	<u>A10</u>		
Downlink information common for all radio	A1, A2, A3		
IIIIKS Deventiele DDCLLiefe common for all DL			
- DOWNINK DPCH INIC COMMON IOF All RL		Maintain	
- Timing indication		Maintain Net Present	
- CFN-largetSFN frame offset		Not Flesent	
- TPC Step Size		Not Propert	
		1 28 Mana TDD	
- CHOICE TOD option			
- TSTD Indicator		PALSE Not Propert	
- Delault DFCH Oliset Value	A 4	Not Flesent	
	A4		
Downlink DPCH info common for all PI			
- Downlink DF CFT Into common for all RE		Initialise	
- CEN-targetSEN frame offset		Not Present	
- Downlink DPCH power control information		Not Fresent	
- CHOICE mode		ססד	
- TPC Step Size		1	
- MAC-d HEN 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 common for all radio	A5, A6 <u>, A7,</u>	Not Present	
links	<u>A8, A9,</u>		
	<u>A10</u>		
Downlink information per radio link list	A1, A2,A3		
<ul> <li>Downlink information for each radio link</li> </ul>			
- 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 1S34.108	
		Clause 6.1 (TDD) Integer(0127)	
- SCID indicator		FALSE	
- Downlink DPCH info for each RL			
- CHOICE mode		לטו	
		$2 \ln t_{0} \cos(1.9)$	
- IFCS ID		2 Integer(1.8)	
		Now	
- Common timeslot info			
- 2nd 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		NULL	
- Downlink DPCH timeslots and codes			

			1
Information Element	Condition	Value/remark	Version
- First individual timeslot info			
Timeslet number			
- CHOICE TDD option		1.28 Mcps TDD	
- Timeslot number		4 OR 5 OR 6	
- TECI existence		TRUE	
Midamble shift and burst type			
- CHOICE TDD option		1.28 MCps TDD	
<ul> <li>Midamble allocation mode</li> </ul>		Default midamble	
- Midamble configuration		16	
- Midamble Shift		Not Present	
		1 29 Mana TDD	
- Modulation		QPSK	
- SS-TPC Symbols		1	
- Additional TPC-SS Sysbols		Not present	
- First timeslot channelisation codes		Repeated (1.2) for each channelisation	
		repeated (1,2) for each enabling the slot to	
		code assigned in the slot to	
		meet the needs of TS34.108	
		clause 6 Parameter Set.	
- CHOICE codes representation			
Channelisation codes hitman		Poteroneo to TS24 108 clauso 6 11	
- Channelisation codes bitmap		Reference to 1334.100 clause 0.11	
		Parameter Set	
<ul> <li>CHOICE more timeslots</li> </ul>		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		1	
- Shared Channel Indicator		FALSE	
		Net present	
- DE COTICH LIST to Remove		Not present	
- SCCPCH Information for FACH		Not Present	
Downlink information per radio link list	A4		
- Downlink information for each radio link			
Chaiga mode		חחד	
		IDD	
- Primary CCPCH info			
- Choice mode		TDD	
- Choice TDD Option		1 28 Mcps TDD	
TSTD indicator			
		PALSE	
- Cell parameters ID		Ref. to the Default setting in 1834.108	
		clause 6.1 (TDD) Integer(0127)	
- SCTD indicator		FALSE	
- Downlink DPCH info for each Pl			
		TRR	
- CHOICE mode		IDD	
- DL CCTrCh List			
- TFCS ID		2 Integer(1.8)	
- Time info			
Activation time		Now	
- Autvation			
		Inninite	
<ul> <li>Common timeslot info</li> </ul>			
<ul> <li>2nd interleaving mode</li> </ul>		Default value is "Frame"	
- TECI coding		Reference to TS34 108 clause 6	
		Deservator act	
- Puncturing limit		Reference to TS34.108 clause 6	
		Parameter set	
- Repetition period		1	
- Repetition length		ŇUU I	
		NOLL	
- DOWNLINK DPCH timeslots and codes			
<ul> <li>First individual timeslot info</li> </ul>			
- Timeslot number			
- CHOICE TDD option		1 28 Mons TDD	
- Timesiot number		<u>4 UK 5 UK b</u>	
- TFCI existence		TRUE	
- Midamble shift and burst type			
- CHOICE TDD ontion		1 28 Mcns TDD	
- ividamble allocation mode			
<ul> <li>Midamble configuration</li> </ul>		<u>16</u>	
- Midamble Shift		Not Present	
- CHOICE TDD option		1 28 Mcps TDD	
	1		

Information Element	Condition	Value/remark	Version
- Modulation		<u>QPSK</u>	
- SS-TPC Symbols		1	
- Additional TPC-SS Sysbols		Not present	
<ul> <li>First timeslot channelisation codes</li> </ul>		Repeated (1,2) for each channelisation	
		code assigned in the slot to meet the	
		needs of TS34.108 clause 6 Parameter	
		<u>Set.</u>	
<ul> <li>CHOICE codes representation</li> </ul>			
<ul> <li>Channelisation codes bitmap</li> </ul>		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 UE.	
- UL TPC TFCS Identity			
- TFCS ID		<u>1</u>	
<ul> <li>Shared Channel Indicator</li> </ul>		FALSE	
<ul> <li>DL CCTrCH List to Remove</li> </ul>		Not present	
<ul> <li>SCCPCH Information for FACH</li> </ul>		Not Present	
Downlink information per radio link list	A5		
<ul> <li>Downlink information for each radio link</li> </ul>			
- 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		Not Present	
- SCCPCH Information for FACH		Not Present	
Downlink information per radio link list	A6 <u>, A7, A8,</u>	Not Present	
	A9, A10		

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"
<u>A7</u>	This IE need for "Packet to URA PCH from CELL_FACH in PS"
<u>A8</u>	This IE need for "Packet to URA PCH from CELL_DCH in PS"
<u>A9</u>	This IE need for "Packet to CELL_PCH from CELL_FACH in PS"
<u>A10</u>	This IE need for "Packet to CELL_PCH from CELL_DCH in PS"
# 3GPP TSG–T1 Meeting #26 Bangalore, India, Jan 31<sup>th</sup> – Feb 4<sup>th</sup> 2005

# Tdoc 😠 T1-050065

	-											CR-Form-v7
			СН	ANGE		UE	ST	I				
æ	34	<mark>.108</mark>	<b>CR</b> 388		жrev	-	Ħ	Curren	nt vers	sion:	5.3.0	æ
For <u>HELP</u> on	using	this forr	m, see bot	tom of this	s page or	look	at the	e pop-u	p text	over	the <mark></mark> sy	mbols.
Proposed change	affec	<i>ts:</i> │ ∪	IICC apps	¥	ME	Rad	dio A	ccess N	letwo	rk	Core N	etwork
Title: #	CR RE	to 34.1 CONFI	108 Rel-5: GURATIO	Update to N messag	the cont ge for 1.2	ents 8 Mc	of TR os TE	ANSPO DD	ORT C	CHAN	INEL	
Source:	8 <mark>CA</mark>	TT/CC	SA									
Work item code:	LC	R TDD						Da	te: 🖁	20/	01/2005	
Category: ₽	<b>F</b> Use Deta be fo	one of the <b>F</b> (correct <b>A</b> (correct <b>B</b> (add) <b>C</b> (funct <b>D</b> (edited exponent) of the correct <b>D</b> (correct <b></b>	he following ection) responds to ition of featu ctional modific lanations of 3GPP <u>TR 2</u>	g categories a correctic ure), fication of i cation) f the above <u>1.900</u> .	s: on in an ea feature) e categorie	<i>rlier re</i> s can	elease	Relea Use <u>(</u> 2 () R R R R R R R R R R	<b>se: %</b> <u>one</u> of 96 97 98 99 99 99 99 91-4 91-5 91-6	Rel the fo (GSN (Rele (Rele (Rele (Rele (Rele (Rele	I-5 Illowing rei A Phase 2, pase 1996, pase 1997, pase 1998, pase 1999, pase 4) pase 5) pase 6)	eases:
Reason for chang	e: Ж	1.	There ar A4.	e no conte	ents of D	ownlii	nk DF	PCH inf	o for e	each	RL for co	ndition
Summary of chan	ge: <mark></mark> Ж	1.	To add	contents o	o <mark>f Downli</mark>	<mark>nk DF</mark>	<mark>PCH i</mark>	nfo for	each	<mark>RL fo</mark>	r conditio	n A4.
Consequences if not approved:	ж	The t	est case w	vill not exe	cuted rig	htly fo	or TD	D.				

Clauses affected:	<b>#</b> 9.1.2
Other specs affected:	Y       N         X       Other core specifications         X       Test specifications         O&M Specifications
Other comments:	H The CR is only connected with TDD test cases.

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

Information Element	Condition	Value/remark	Version
Message Type	A1, A2,		
	A3, A4,		
	A5, A6		
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3	
Integrity check info			
<ul> <li>message authentication code</li> </ul>		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.	
<ul> <li>RRC message sequence number</li> </ul>		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,	(256+CFN-(CFN MOD 8 + 8))MOD 256	
	A3		
Activation time	A4, A5,	Now	
	A6		
New U-RN11		Not Present	
New C-RN11	A1, A2,	Not Present	
	A3, A4		
New C-RN11	A5, A6		-
New DSCH-RN11	A1, A2,	Not Present	
	A3, A4,		
	A5, A6		
New H-RN11	A1, A2,	Not Present	REL-5
	A3, A4,		
DDC State indicator	A5, A6		
RRC State Indicator	AT, AZ,		
PBC State indicator	A3, A4		-
LITRAN DRX avala langth coofficient			-
UTRAN DRA Cycle lengin coefficient	A1, A2,	Not Fresent	
CN information info	A4,A5,A0	Not Present	
		Not Present	
Downlink counter synchronisation info		Not Present	
III Transport channel information for	A1 A2	Not Present	

Information Element	Condition	Value/remark	Version
UL Transport channel information for	A3, A4		
all transport channels			
- PRACH TFCS		Not Present	
- CHOICE mode		TDD	
- Individual UL CCTrCH information			
- UL TFCS Identity			
- TFCS ID			
- Shared Channel Indicator		FALSE	
- UL IFCS			
- CHOICE TFCI signalling		Normal	
- IFCI Field 1 Information			
- CHOICE TECS representation		Complete reconfiguration	
- TFCS complete			
		Number of hits used must be approach to sever all	
- CHOICE CTFC SIZE		Number of bits used must be enough to cover all	
		Complitations of CTFC from 1534.106 clause 6.11.5.4	
CTEC information		This IE is reported for TEC numbers and reference to	
		This is repeated for TFC numbers and reference to	
CTEC		Poteroneo to TS24 108 clause 6 11 5 4 Parameter	
- CIFC		Sof	
- Power offset information		Set	
- CHOICE Gain Factors		Computed Gain Factors(The last TEC is set to	
		Signalled Gain Factors)	
- Reference TEC ID		$0 \ln teger(0, 3)$	
- CHOICE Gain Factors		Signalled Gain Factors(Not Present if the CHOICE	
		Gain Factors is set to ComputedGain Factors)	
- CHOICE mode		TDD	
- Gain Factor $\beta_d$		15	
- 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	
Added or Reconfigured TrCH	A1, A2,	Not Present	
information list	A5, A6		

Information Element	Condition	Value/remark	Version
Added or Reconfigured TrCH	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)	
information list		· · · · · · · · · · · · · · · · · · ·	
<ul> <li>Added or Reconfigured UL TrCH</li> </ul>			
information			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		5	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format			
Information			
- RLC Size		Reference to 1534.108 clause 6.11 Parameter Set	
- Number of IBs and III List		I his IE is repeated for maxIF number	
- Transmission Time Interval		Not Present Reference to TS24 109 clause 6 11 Decemeter 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	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
<ul> <li>Dynamic Transport format</li> </ul>			
information			
- 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 1534.108 clause 6.11 Parameter Set	
- CHOICE Logical Channel list		All	
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	
Added or Reconfigured TrCH	A3	(DCH for DTCH)	
information list			
<ul> <li>Added or Reconfigured UL TrCH</li> </ul>			
information			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		1	
- UHUILE Transport channel type		Dedicated transport channels	
- Dynamic Transport format			
		Reference to TS3/ 108 clause 6 11 Parameter Set	
- Number of TBs and TTLL ist	1 to	(This IF is repeated for TF number)	
	maxTF		
- 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 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	ļ	Reference to TS34.108 clause 6.11 Parameter Set	
- CRC size		Reterence to TS34.108 clause 6.11 Parameter Set	
CHOICE mode	A1,A2,A3,	טטו	
Dourolink HS DDSOLLink mar after	A4,A5,A6		
DUWININK NO-PUSCH INformation	A1 A2	Not Propert	KEL-D
DL mansport channel information	LAT, AZ,		1

Information Element	Condition	Value/remark	Version
common for all transport channels	A5,A6		
DL Transport channel information	A3,A4		
common for all transport channel			
- SCCPCH TFCS		Not Present	
- CHOICE mode		TDD	
<ul> <li>Individual DL CCTrCH information</li> </ul>			
<ul> <li>DL TFCS Identity</li> </ul>			
- TFCS ID		2	
<ul> <li>Shared Channel Indicator</li> </ul>		FALSE	
<ul> <li>CHOICE DL parameters</li> </ul>		Independent	
- DL TFCS			
- CHOICE TFCI Signalling		Normal	
- TFCI Field 1 Information			
- CHOICE TFCS		Complete reconfiguration	
representation			
- 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	
- CTFC		Reference to TS34.108 clause 6.11.5.4 Parameter	
		Set	
<ul> <li>Power offset information</li> </ul>		Not Present	
Added or Reconfigured TrCH	A1, A2,	Not Present	
information list	A5, A6		

Γ	Information Element	Condition	Value/remark	Version
Ī	Added or Reconfigured TrCH	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)	
	information list			
	<ul> <li>Added or Reconfigured DL TrCH</li> </ul>			
	information			
	- Downlink transport channel type		DCH	
	- DL Transport channel identity		10 Some co III	
	- UnDICE DL parameters			
	- UI TrCH identity		5	
	- DCH quality target		5	
	- BLER Quality value		-2.0 Real(-6.30 by step of 0.1)	
	- Transparent mode signalling info		Not Present	
	- Downlink transport channel type		DCH	
	<ul> <li>DL Transport channel identity</li> </ul>		6	
	- CHOICE DL parameters		Explicit	
	- IFS		De dise te d'anne en est els en rele	
	- CHOICE Transport channel type		Dedicated transport channels	
	- Dynamic transport format			
	- RLC Size		Reference to TS34 108 clause 6 11 Parameter Set	
	- Number of TBs and TTI List		(This IE is repeated for TE number.)	
	- Transmission Time Interval		Not Present	
	- Number of Transport blocks		Reference to TS34.108 clause 6.11 Parameter Set	
	<ul> <li>Semi-static Transport Format</li> </ul>			
	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	
	- Couling Rate		Reference to TS34.106 clause 6.11 Parameter Set	
	- CRC size		Reference to TS34.108 clause 6.11 Parameter Set	
	- DCH quality target			
	- BLER Quality value		-2.0	
			Not Present	
	Added or Reconfigured TrCH	A3		
_	information list			
	- Added or Reconfigured DL TrCH			
	Information		DCH	
	- Downlink transport channel identity			
	- 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 IBs and III List		(This IE is repeated for TF number.)	
	- Mumber of Transport blocks		Not Present Reference to TS34 108 clause 6 11 Parameter Set	
	- Semi-static Transport Format		Reference to 1004.100 clause 0.111 arameter Det	
	information			
	- Transmission time interval		Reference to TS34.108 clause 6.11 Parameter Set	
	<ul> <li>Type of channel coding</li> </ul>		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 IS34.108 clause 6.11 Parameter Set	
	- UKU SIZE		Reference to 1534.108 clause 6.11 Parameter Set	
	- BI FR Quality value		-2.0	
	- Transparent mode signalling info		Not Present	
╞	Frequency info	A1. A2.		
	- 1	A3, A4,		
		A5		
	- Choice mode		TDD	
-	- UARFCN (Nt)		Reterence to clause 5.1 Test frequencies	
╞	Frequency Info	Ab		
	waximum allowed UL TX power		330BM	

Information Element	Condition	Value/remark	Version
CHOICE channel requirement	A5, A6	Not Present	
CHOICE channel requirement	A1, A2,	Uplink DPCH info	
	A3, A4		
- Uplink DPCH power control info			
		TDD	REL-5
		1.28 Mcps TDD	REL-5
		-80 Integer(-12058 by step of 1)	
- CHOICE UL OL PC info		Individually Signalled	
- CHOICE IDD option		1.28 Mcps TDD	
- TPC step size			
- Primary CCPCH Tx Power		20 Integer(643)	
- CHOICE mode		UU	
- Uplink Timing Advance Control			
- CHOICE TIMIng Advance			
- CHOICE TDD option		1.28 MCps TDD	
- Uplink synchronisation			
parameters		1	
size			
- Uplink synchronisation		1	
frequency			
<ul> <li>Synchronisation parameters</li> </ul>			
- SYNC_UL codes bitmap		01010101	
- FPACH info			
- Timeslot number		0	
- Channelisation code		16/15	
- Midamble Shift and burst			
- CHOICE IDD option		1.28 MCpS TDD	
- Midamble Allocation Mode			
- Midamble configuration		16 Integer(2, 4, 6, 8, 10, 12, 14, 16)	
- W I		4 Integer(14)	
- PRXUpPCHdes		-80 dBm	
- SYNC_UL procedure			
Max SYNC_UL		2	
I ransmissions		2	
		2	
		1	
- TFCS ID		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			
- 2 <sup>nd</sup> 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			
<ul> <li>Uplink DPCH timeslots and code</li> </ul>			
- 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	
<ul> <li>Midamble shift and burst type</li> </ul>			
- CHOICE TDD option		1.28 Mcps TTD	
- Midamble allocation mode		Default midamble	
- Midamble configuration		16	

Information Element	Condition	Value/remark	Version
- 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 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.	
<ul> <li>CHOICE more timeslots</li> </ul>		No more timeslots	
<ul> <li>UL CCTrCH List to Remove</li> </ul>		Not present	
CHOICE Mode	A1, A2,	TDD	
	A3, A4,		
	A5, A6		
Downlink HS-PDSCH Information	A1, A2,	Not Present	
	A3, A4,		
	A5, A6		
Downlink information common for all	A1, A2,		
radio links Downlink DPCH info common for all	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		TDD	
- CHOICE mode		IDD 1.29 Mana TDD	
- CHOICE TOD option			
		Not Present	
Downlink information common for all	Α4	Not Tresent	
radio links	,,,,		
- Downlink DPCH info common for all			
RL			
<ul> <li>Timing indication</li> </ul>		Initialise	
<ul> <li>CFN-targetSFN frame offset</li> </ul>		Not Present	
- Downlink DPCH power control			
Information		TOD	
- CHOICE mode			
- TPC Step Size		1 Not Procent	
- CHOICE mode		TDD	
- CHOICE TDD option		1.28 Mcps TDD	
- TSTD indicator		FALSE	
- Default DPCH Offset Value			
- CHOICE mode		TDD	
<ul> <li>Default DPCH Offset Value</li> </ul>		0 Integer(07)	
Downlink information common for all	A5, A6	Not Present	
radio links			
Downlink information per radio link list	A1, A2,A3		
- Downlink Information for each radio			
- Choice mode		חחד	
- 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)	
- SCID indicator		FALSE	

Information Element	Condition	Value/romark	Varsian
	Condition	Value/Terriark	Version
- Downlink DPCH into for each RL		TOD	
		UU	
- DL CC IrCh List			
- TFCS ID		2 Integer(1.8)	
- Lime info			
- Activation time		Now	
- Duration		Infinite	
<ul> <li>Common timeslot info</li> </ul>			
<ul> <li>2nd interleaving mode</li> </ul>		Default value is "Frame"	
- TFCI coding		Reference to TS34.108 clause 6 Parameter set	
- Puncturing limit		Reference to TS34 108 clause 6 Parameter set	
Ponotition pariod		1	
- Repetition period			
- Repetition length		NULL	
- Downlink DPCH timeslots and			
codes			
<ul> <li>First individual timeslot info</li> </ul>			
<ul> <li>Timeslot number</li> </ul>			
- CHOICE TDD option		1.28 Mcps TDD	
- Timeslot number			
- IFCI existence		TRUE	
<ul> <li>Midamble shift and burst</li> </ul>			
type			
- CHOICE TDD option		1.28 Mcps TDD	
<ul> <li>Midamble allocation mode</li> </ul>		Default midamble	
- Midamble configuration		16	
- Midamble Shift		Not Present	
- CHOICE I DD option			
- Modulation		QPSK	
- SS-TPC Symbols		1	
<ul> <li>Additional TPC-SS Sysbols</li> </ul>		Not present	
- First timeslot channelisation		Repeated (1.2) for each channelisation code assigned	
codes		in the slot to meet the needs of TS34 108	
		clause 6 Parameter Set	
- CHOICE codes			
Channelization and a		Deference to TC24 109 cloures 6 11 Decemptor Set	
- Channelisation codes		Reference to 1534.106 clause 6.11 Parameter Set	
- CHOICE more timeslots		No more timesiots	
- UL CCTrCH TPC List		This list is not required for 1.28 Mcps TDD and is to	
		be ignored by the UE.	
<ul> <li>UL TPC TFCS Identity</li> </ul>			
- TFCS ID		1	
- Shared Channel Indicator		FALSE	
		Net present	
		Not present	
- SCCPCH Information for FACH		Not Present	
Downlink information per radio link list	A4		
- Downlink information for each radio			
link			
- Choice mode		TDD	
<ul> <li>Primary CCPCH info</li> </ul>			
- 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(0, 127)	
- SCTD indicator		FALSE	
- Downlink DPCH info for each RI			
- CHOICE mode		חחד	
		Not Procent	
		$\frac{1}{2} \ln togor(1.8)$	
		Now	
- Adivation time		Infinito	
<u>- Duration</u>			
		Default value in "Frome"	
- Zhu interieaving mode	1		

Information Element	Condition	Value/remark	Version
- TFCI coding		Reference to TS34.108 clause 6 Parameter set	
<ul> <li>Puncturing limit</li> </ul>		Reference to TS34.108 clause 6 Parameter set	
- Repetition period		1	
<ul> <li>Repetition length</li> </ul>		NULL	
<ul> <li>Downlink DPCH timeslots and</li> </ul>			
codes			
- First individual timeslot info			
- I Imesiot number		4.00 Mars TDD	
- Midamble shift and burst			
- CHOICE TDD option		1 28 Mcns 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	
<ul> <li>Additional TPC-SS Sysbols</li> </ul>		Not present	
<ul> <li>First timeslot channelisation</li> </ul>		Repeated (1,2) for each channelisation code assigned	
<u>codes</u>		in the slot to meet the needs of TS34.108 clause 6	
		Parameter Set.	
<u> </u>			
<u>representation</u>		Peteronee to TS24 109 cloures 6 11 Decemptor Set	
- Channelisation codes		Reference to 1534.106 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 UE.	
- UL TPC TFCS Identity			
- TFCS ID		1	
- Shared Channel Indicator		FALSE	
- DL CCTrCH List to Remove		Not present	
<ul> <li>SCCPCH Information for FACH</li> </ul>		Not Present	
Downlink information per radio link list	A5		
<ul> <li>Downlink information for each radio</li> </ul>			
link			
- Choice mode		TDD	
- Primary CCPCH info			
- Unoice mode			
- Choice I DD Option			
- Cell parameters ID		Pation Teacher Default setting in TS34 108 clause 6.1	
		(TDD) Integer(0 127)	
- SCTD indicator		FALSE	
- Downlink DPCH info for each RI		Not Present	
- SCCPCH Information for FACH		Not Present	
Downlink information per radio link list	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"

# 3GPP TSG–T1 Meeting #26 Bangalore, India, Jan 31<sup>th</sup> – Feb 4<sup>th</sup> 2005

CHANGE REQUEST								
æ	34.108	CR <sup>389</sup>	жrev	<b>_</b> %	Current vers	sion:	5.3.0	Ħ
For <mark>HELP</mark> on	using this forr	n, see bottom o	f this page or	look at th	ne pop-up text	t over tl	he <mark>X</mark> syn	nbols.
Proposed change	e affects:   U	IICC apps <mark>#</mark>	ME	] Radio A	Access Netwo	rk	Core Ne	twork
itle:	CR to 34.1 message f	08 Rel-5: Upda or TDD	te to the conte	ents of R	RC CONNEC		REQUES	Т
Source:	CATT/CC	SA						
Vork item code:	LCR TDD				Date: 🔀	18/1/	/2005	
Category:	B F Use <u>one</u> of t F (corr A (corr B (add C (fund D (edite Detailed exp be found in 3	he following categ ection) esponds to a corre- ition of feature), tional modification prial modification) lanations of the al BGPP <u>TR 21.900</u> .	ories: ection in an ear n of feature) pove categories	rlier releas s can	Release: # Use <u>one</u> of 2 re) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the follo (GSM I (Relea (Relea (Relea (Relea (Relea (Relea (Relea	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	pases:
Reason for chang	ye: 第 1. 2. 3. 4. 5.	There are som There are no of There is one e There are no of Contents of RI CELL_FACH) The contents of presented in th (Transition to of	the errors in the contents of RF pror in RRC C contents of SF RC CONNEC (1.28 Mcps) of Downlink in the Contents of CELL_FACH)	e content CONNEC ONNEC B mappi TION SE TDD). formation f RRC Co (1.28 M	s of RRC CO NECTION RE TION RELEA ng in DCH int TUP messag for each rad ONNECTION Icps TDD).	NNECT JECT. SE. formatic e: UM ( io link s SETU	FION RE on in the Transitic should no "messa	QUEST on to ot be ge: UM

Summary of change: <mark></mark> ₩	<ol> <li>To update the contents of RRC CONNECTION REQUEST.</li> <li>To add the contents of RRC CONNECTION REJECT message.</li> <li>To update the contents of RRC CONNECTION RELEASE.</li> <li>To add contents of SRB mapping in DCH information in the Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH) (1.28 Mcps TDD).</li> <li>To delete The contents of Downlink information for each radio link in the Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH) (1.28 Mcps TDD).</li> </ol>
Consequences if <b>#</b> not approved:	The test case will not executed rightly for TDD.
Clauses affected: #	9.1.2

CR page 1

Other specs

YN

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affected:	X   Test specifications     O&M Specifications
Other comments:	Here CR is only connected with TDD test cases.

### Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark	Version
Message Type		
Predefined configuration status information	To be checked against requirement if	REL-5
Initial LIF identity		
- CHOICE UE id type		
- IMSI (GSM-MAP)	Set to the UE's IMSI (GSM-MAP) or TMSI.	
Establishment cause	To be checked against requirement if specified	
Protocol error indicator	FALSE	
UE Specific Behaviour Information 1 idle	This IE will not be checked by default behaviour,	
	but in specific test case.	
Measured results on RACH	To be checked against requirement if specified Not	
	checked	
Access stratum release indicator	To be checked against requirement if	REL-4
	specifiedCheck that this IE is present	

### Contents of RRC CONNECTION REJECT message: UM

Information Element	Value/remark
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 RELEASE message: UM

1

Information Element	Value/remark	Version
Message Type		
U-RNTĬ	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	R99, REL-4
- SRNC identity	0000 0000 0001B	
- S-RNII	0000 0000 0000 0000 0001B	
	message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	REL-D
- U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
- Group identity	[FFS]	
<ul> <li>Group release information</li> </ul>	[FFS]	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 30	
Integrity check info	This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.	
- 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	
N308	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).	
Release cause	Normal event	
Rplmn information	Not Present	

## Contents of RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH) (1.28 Mcps TDD)

Information Element	Value/remark	Version

Information Element	Value/remark	Version
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-RNII	0000 0000 0000 0000 0001B	
New C-RNTI DBC State Indicator		
LITRAN DRX evels longth coofficient	O Integer(2, 0)	
Capability undate requirement		
- UE radio access EDD 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		
<ul> <li>System specific capability update requirement list</li> </ul>	GSM	
CHOICE specification mode	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup list		
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity		
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard		
- RB mapping info		
- Information for each multiplexing option	1-2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
<ul> <li>Uplink transport channel type</li> </ul>	DCH	
<ul> <li>UL Transport channel identity</li> </ul>	<u>5</u>	
- Logical channel identity	$\left \frac{1}{2}\right _{\mu}$	
- CHOICE RLC size list	Configure	
- MAC logical channel phonty	<u> </u>	
- Number of RLC logical channels	1	
- Downlink transport channel type	рсн	
- DL DCH Transport channel identity		
- Transport channel identity	<u>10</u>	
<ul> <li>DL DSCH Transport channel identity</li> </ul>	Not Present	
- DL HS-DSCH MAC-d flow identity	Not Present	
Logical channel identity	1 Not Dropont	
- RLC logical channel mapping indicator		
- Unlink transport channel type	RACH	
- 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	1	
- Number of RLC logical channels		
- 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	2	
- CHOICE RLC info type	KLC Info	
- CHOICE SDU discard mode	No Discard	
		I

	Information Element	Value/remark	Version
	- MAX DAT	15	
1	- Transmission window size	<del>128</del> 32	
	- Timer RST	500	
	- Max RST	1	
	- Polling info		
	- Timer poll prohibit	200	
	- Timer poll	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	AMRLC	
	- In-sequence delivery	TRUE	
1	- Receiving window size	<del>128</del> 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	<u>+2</u> RBMuxOptions	
	- RLC logical channel mapping indicator	Not Present	
	- Number of RLC logical channels	<u>1</u>	
	<ul> <li>Uplink transport channel type</li> </ul>	<u>DCH</u>	
	<ul> <li>UL Transport channel identity</li> </ul>	<u>5</u>	
	<ul> <li>Logical channel identity</li> </ul>	2	
	- CHOICE RLC size list	Configure	
	- MAC logical channel priority	2	
	- Downlink RLC logical channel info		
	- Number of RLC logical channels		
	- DOWNINK transport channel type		
	- Transport channel identity	10	
	- 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	
	- 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	
	- DOWNIINK RLC logical channel into		
	- Number of RLC logical channels		
	- Downlink transport channel type	FAUT	
	- DL DCH 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	3	
	- 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	<u>12832</u>	
	- Timer_RST	500	
	- Max_KST	1	
	- Polling Into	200	
	- I imer_poll_prohibit	200	
	- Timer_poli	200	

1

Information Element	Value/remark	Version
- Poll_SDU	1	
<ul> <li>Last transmission PDU poll</li> </ul>	TRUE	
<ul> <li>Last retransmission PDU poll</li> </ul>	TRUE	
- Poll_Window	99	
- Timer_poll_periodic	Not Present	
<ul> <li>CHOICE Downlink RLC mode</li> </ul>	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	1 <u>2832</u>	
- Downlink RLC status info		
	200 Nat Drag ant	
- IIMer_EPC	Not Present	
- Missing PDU Indicator	IRUE Not Procent	
- PB manning info	Not Flesent	
- Information for each multiplexing option	12 RBMuxOntions	
- RLC logical channel manping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	<u>3</u>	
- CHOICE RLC size list	<u>Configure</u>	
<ul> <li>MAC logical channel priority</li> </ul>	<u>3</u>	
<ul> <li><u>Downlink RLC logical channel info</u></li> </ul>		
- Number of RLC logical channels	1	
<ul> <li>Downlink transport channel type</li> </ul>	DCH	
- DL DCH Transport channel identity	10	
- Transport channel identity	<u>10</u> Not Present	
	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 Not Present	
- DL DCH Transport channel identity	Not Present	
- DL USON MARSHON Charmen dentity	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		
<ul> <li>CHOICE SDU discard mode</li> </ul>	No discard	
- MAX_DAT	15	
- Transmission window size	1 <u>2832</u>	
- limer_RSI	500	
- Max_KST Delling info		
- Timer, poll, prohibit	200	
- Timer poll	200	
- Timer_poir	200	
- 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	

I

Information Element	Value/remark	Version
- In-sequence delivery	TRUE	
- Receiving window size	<del>128</del> 32	
- Downlink RLC status info	_	
<ul> <li>Timer_status_prohibit</li> </ul>	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer STATUS periodic	Not Present	
- RB mapping info		
- Information for each multiplexing option	1-2 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	Configure	
- MAC logical channel priority	4	
- Downlink RLC logical channel info	-	
- Number of RLC logical channels	1	
- Downlink transport channel type	Ďсн	
- DL DCH Transport channel identity		
- Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	4	
- RLC logical channel mapping indicator	Not Present	
- Number of RI C logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	4	
- CHOICE RI C 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	
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	4	
- III Transport channel information for all transport	·	
channels		
- PRACH TECS	Not Present	
- CHOICE mode		
-Individual UL CCTrCH information		
- LIL TECS Identity		
- TECS ID	1	
- Shared Channel Indicator	FALSE	
- UL TECS		
- CHOICE TECI signalling	Normal	
- TECL Field 1 Information		
- CHOICE TECS representation	Complete reconfiguration	
- TECS complete reconfiguration	oomplete reconniguration	
information		
- CHOICE CTEC 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	
	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 Signalled Gain Factors)	
- Reference TFC ID	0, Integer(0 3)	

Information Element	Value/remark	Version
- CHOICE Gain Factors	Signalled Gain Factors(Not Present if the	
	CHOICE Gain Factors is set to	
	ComputedGain Factors)	
	TDD	
Gain Factor ⊡d	<del>15</del>	
	<del>0, Integer (03)</del>	
- CHOICE mode	TDD	
- TFC subset	Not present Default value is the complete	
	existing set of transport format combinations	
	Allowed transport format combination list	
- Allowed Transport Format combination	O to MaxTECvalue-1 (MaxTECValue is refer	
	t <del>o</del>	
<b>—</b>	1S34.108 clause 6 Parameter Set.)	
- I ransport format combination	Integer (0 1023)	
- TFC subset list	Not present	
- Added or Reconfigured UL TrCH information list	Not present	
- Added or Reconfigured UL TrCH information	DOLL	
<u>- Uplink transport channel type</u>	DCH	
- UL Transport channel identity	<u>5</u>	
- IFS CHOICE Transport channel time	Dedicated transport observals	
- CHOICE Transport channel type	Dedicated transport channels	
- Dynamic Transport format Information	Apparding to TS24 100 slower C for	
- KLU SIZE	According to 1534.108 clause 6 for	
Number of TPs and TTL lists	Standalone 13.0 KDPS Signalling radio bearer	
Transmission Time Interval	According to TS24 102 clouce 6 for	
	According to 1534.106 clause 6 101	
Number of Transport blocks	Standalone 15.0 kbps Signaling Tadio bearer	
	Reference to 1534.100 clause 0.11	
- CHOICE Logical channel list		
- 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	
- 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	
- UL DCH TFCS Identity	1	
- Shared Channel Indicator	FALSE	
- Added or Reconfigured TrCH information list	Not present	
<ul> <li>Added or Reconfigured DL TrCH information</li> </ul>		
<ul> <li>Downlink transport channel type</li> </ul>	DCH	
- DL Transport channel identity	1 <u>0</u>	
- CHOICE DL parameters	Same as UL	
- Uplink transport channel type		
- UL Transport channel identity	<u>2</u>	
-DCH quality target	6.3	
- BLEK QUAIITY TAIGET	-0.3 Not Present	
Frequency into	Not Present Not Present Default value is the suisting	
I waximum allowed UL TX power	not Present Detault value is the existing	
Downlink information common for all radia links	Not present	
Downlink information common for all radio links	Not present	
	<u>not present</u>	

Information Element	Value/remark	Version
- Downlink information for each radio link		
	TDD	
- Primary CCPCH info		
	TDD	
	1.28 Mcps TDD	
- TSTD indicator	False	
	Not Present	
	False	
<ul> <li>– Downlink DPCH info for each RL</li> </ul>	Not Present	
	Not Present	

# Tdoc **#** T1-050072

CHANGE REQUEST								
æ	34.1	08 CR	390	жrev	<b>-</b> X	Current vers	<sup>sion:</sup> <b>5.3.0</b>	æ
For <mark>HELP</mark> on us	sing this	form, see	bottom of th	is page or .	look at ti	he pop-up text	over the <mark>೫</mark> sy	mbols.
Proposed change a	affects:	UICC a	pps <mark>#</mark>	ME X	Radio /	Access Netwo	rk 📃 Core No	etwork
Title: ೫	Correc messa	ction to the age conter	HSDPA RB	Identity in	Radio B	earer Setup &	Radio Bearer	Release
Source: 🖁	Nokia,	ETSI MC	C160					
Work item code: 🔀	TEI					Date: 🖁	17/01/2005	
Category: ₩	F Use <u>one</u> F ( A B C D Detailed be found	of the follo (correction) (correspon (addition of (functional (editorial m explanatio d in 3GPP	owing categorie ds to a correction feature), modification of odification) ns of the above <u>FR 21.900</u> .	es: on in an ear feature) e categories	ilier relea. s can	Release: ℜ Use <u>one</u> of 2 se) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	Rel-5 the following rel (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	eases:
<b>Reason for change: #</b> In the prose CR T1-050036 presented at this meeting & introducing the ASP's for HSDPA, the Radio Bearer mapped on top of HS-DSCH has an identity of 25. However the Radio Bearer Identity used in 34.108 & 34.123-1 is defined as 23.								
Summary of chang Consequences if not approved:	ve: ೫ U	lpdate 34. In inconsis	108 to use RE	325 instead	d of RB2 & 34.123	3. -3 will remain.		
Clauses offected	90 O	11001						
Other specs affected:	₩ ¥ X	N X Test X O&M	core specific specifications Specification	ations s	<b>郑</b> 34.	123-1		
Other comments:	業 T C a	he change R's T1-05 ccordingly	e is applied to 0073, T1-050	the signal 074, T1-0	ling & R 50075, T	F messages. 1050076 upda	ate 34.123-1	

#### How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked 🔀 contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark	Version
Message Type	A1, A2, A3,		
	A4, A5, A6,		
	A7, A8,		
	A11		
	, A9, A10		REL-5
RRC transaction identifier		Arbitrarily selects an integer between 0	
		and 3	
Intearity 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	
550		MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from	
Integrity protection made info		Its Internal counter.	
Ciphering mode info		Not Present	
Activation time	A1 A2 A3	(256+CEN-(CEN MOD 8 + 8))MOD 256	
	A11		
	, A9		REL-5
Activation time	A4, A5, A6,	Not Present	
	A7, A8		
	A10		REL-5
New U-RNTI	A1, A2, A3,	Not Present	
	A4, A5, A6,		
	A7, A8,		
	A11		
	, A9, A10		REL-5
New C-RNTI	A1, A2, A3,	Not Present	
	A4, A7, A8,		
	A11		
	, A9, A10		REL-5
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3,	Not Present	
	A4, A5, A6,		
	A7, A8,		
	A11		
	, A9, A10		REL-5
New H-RNTI	A1, A2, A3,	Not Present	REL-5
	A4, A5, A6,		
	A7, A8,		
	A11		
New H-RNII	A9, A10		REL-5
KKC State Indicator	A1, A2, A3,		
	A4, A7, A0, Δ11		
	. A9. A10		REL-5
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present	
	A4, A5, A6,		
	Δ11		
	. A9. A10		REL-5
	,,,		
CN information info		Not Present	
UKA Identity Signalling PR information to actum		Not Present	
	Δ1 Δ7		
- RAB info	A1, A/		
- RAB identity		0000 0001B	
The Ronary		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		CS domain	

Information Element	Condition	Value/remark	Version
- NAS Synchronization Indicator	Condition	Not Present	Version
- Re-establishment timer		$\mu_{\text{SO}}$ T31/	
- RB information to setup		4361314	
- RB identity		10	
- PDCP info		Not Present	
- CHOICE BLC info type		RI C info	
- CHOICE Unlink RLC mode		TM RLC	
- Transmission RI C discard		Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RI C mode		TMRIC	
- Segmentation indication		FALSE	
- RB mapping info		1,1202	
- Information for each multiplexing option			
- RI C logical channel mapping indicator		Not Present	
- Number of uplink RI C 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		7	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels			
- 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	
<ul> <li>NAS Synchronization Indicator</li> </ul>		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	
<ul> <li>Segmentation indication</li> </ul>		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
<ul> <li>Segmentation indication</li> </ul>		FALSE	
- RB mapping info			
<ul> <li>Information for each multiplexing option</li> </ul>			
<ul> <li>RLC logical channel mapping indicator</li> </ul>		Not Present	
- Number of uplink RLC logical channels		1	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		1	
<ul> <li>Logical channel identity</li> </ul>		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		6	
<ul> <li>Downlink RLC logical channel info</li> </ul>			
<ul> <li>Number of downlink RLC logical</li> </ul>		1	
channels			
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
<ul> <li>DL DCH Transport channel identity</li> </ul>		6	
<ul> <li>DL DSCH Transport channel identity</li> </ul>		Not Present	
<ul> <li>Logical channel identity</li> </ul>		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	
<ul> <li>Segmentation indication</li> </ul>		FALSE	

Information Element	Condition	Value/remark	Version
- CHOICE Downlink BLC mode	Contaition	TM RLC	Vereien
- 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	
<ul> <li>MAC logical channel priority</li> </ul>		6	
<ul> <li>Downlink RLC logical channel info</li> </ul>			
<ul> <li>Number of downlink RLC logical</li> </ul>		1	
channels			
- 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 Dresport	
- PDCP INIO		Not Present PLC info	
		Not Procent	
- Segmentation indication		FAI SE	
- CHOICE Downlink RI C mode		TMRIC	
- 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	
<ul> <li>MAC logical channel priority</li> </ul>		6	
<ul> <li>Downlink RLC logical channel info</li> </ul>			
<ul> <li>Number of downlink RLC logical</li> </ul>		1	
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,		
- PAB info	AO	(AM DTCH for PS domain)	
- RAB into - RAB identity			
- IAD Identity		The first/leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		PS domain	
<ul> <li>NAS Synchronization Indicator</li> </ul>		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		20	
- PDCP info			
<ul> <li>Support for lossless SRNS relocation</li> </ul>		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	
		No Discord	
- IVIAA_DAT		10 128	
- Transmission window size		500	
- Max RST		4	
max_rtor	l i i i i i i i i i i i i i i i i i i i		

1	Information Element	Condition	Value/remark	Version
	- Polling info	Condition	Value/Ternark	Version
	- Timer poll probibit		200	
	- Timer_poll_profilbit		200	
			Not Procent	
			1	
	- Full_SDU			
	- Last transmission PDU poli			
	- Last retransmission PDU poli			
	- Poll_vvindows		99 Nat Drasant	
	- Timer_poil_periodic			
	- CHOICE DOWNIINK RLC mode			
	- In-sequence delivery			
	- Receiving window size		120	
	- DOWININK REC Status Into		200	
	- Timer_Status_profilbit		200 Not Procent	
	- IIIIeI_EPC Missing DDL indicator			
			I RUE Nat Draggat	
	- Timer_STATUS_periodic		Not Present	
	- RB mapping into		2 DDM: wOnting	
	- 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		1 Not Descent	
	- Logical channel identity		Not Present	
	- CHOICE RLC SIZE IIST		Configured	
	- MAC logical channel priority		8	
	- Downlink RLC logical channel info			
	- Number of downlink RLC logical		1	
	channels		DOLL	
	- Downlink transport channel type		DCH	
	- DL DCH Transport channel identity		0 Nat Descart	
	- 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			
	- Uplink transport channel type		RACH Nat Descart	
	- UL Transport channel identity			
	- Logical channel identity		/ For Balt Bat	
	- RLC size index		Reference to 1S34.108 clause 6	
	MAQ is signification and a signification		Parameter Set	
	- MAC logical channel priority		8	
	- Downlink RLC logical channel info			
	- Number of downlink RLC logical		1	
	Channels		FACH	
	- Downlink transport channel type			
	- DL DCH Transport channel identity		Not Present	
	- DL DOCH I ransport channel identity		NOL Present	
	- Logical channel identity	Δ <u>Ω</u>		
	- RAB info	7.9	(high-speed AM DTCH for PS domain)	NEL-0
	- RAB identity			
	- NAD Identity		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			
l	- RB identity		2325	
I	- PDCP info			
	- Support for lossless SRNS relocation		FALSE	
	- Max PDCP SN window size		Not present	
	- PDCP PDLI header		Absent	
	- Header compression information		Not present	
	- CHOICE RI C info type		RI C info	
	- CHOICE Unlink RI C mode		AMRIC	
		1		1

Information Element	Condition	Value/remark	Version
- 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		100	
- Timer poll		100	
		Not Procent	
		1	
Last transmission BDU noll			
- Last transmission PDU poli			
Poll Windows			
- Foil_Windows		99 Not Brocont	
- Timer_poil_periodic			
- In-sequence delivery			
- Receiving window size		768	
- Downlink RLC status info		100	
- Timer_status_prohibit		100	
- Timer_EPC		Not Present	
- Missing PDU indicator		IRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
<ul> <li>Information for each multiplexing option</li> </ul>		3 RBMuxOptions	
<ul> <li>RLC logical channel mapping indicator</li> </ul>		Not Present	
<ul> <li>Number of uplink RLC logical channels</li> </ul>		1	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		1	
<ul> <li>Logical channel identity</li> </ul>		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels			
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL DCH Transport channel identity		6	
- DL DSCH Transport channel identity		Not Present	
- DL HS-DSCH MAC-d flow 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		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 RI C logical		1	
channels			
- Downlink transport channel type		HS-DSCH	
- DL DCH Transport channel identity		Not Present	
- DL DSCH Transport channel identity		Not Present	
- DL HS-DSCH MAC-d flow identity		0	
- Logical channel identity		Not Present	
- RI C logical channel manning indicator		Not Present	
- Number of uplink RI C logical channels		1	
- Unlink transport channel type		RACH	
- III Transport channel identity		Not Present	
- Logical channel identity		7	
		r Explicit list	
- RIC size index		Reference to TS3/ 108 clause 6	
		Parameter Set	ļ
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RI C logical		1	
channels		'	ļ

Information Element	Condition	Value/remark	Version
- Downlink transport channel type		FACH	
- DL DCH Transport channel identity		Not Present	
- DL DSCH Transport channel identity		Not Present	
- Logical channel identity		7	
<ul> <li>RAB information for setup</li> </ul>	A10		REL-5
- RAB info		(high-speed AM DTCH for PS domain)	
- RAB identity		0000 0110B	
		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
<b>.</b>		RAB identity.	
- CN domain identity		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		use1315	
- RB information to setup		2225	
- RD Idefility		<del>23</del> 20	
- FDCF IIIIO		EALSE	
- 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	
<ul> <li>Transmission window size</li> </ul>		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info			
- Timer_poll_prohibit		100	
		100	
- POIL_PDU			
- POIL_SDU			
- Last transmission PDU poli			
- Poll Windows			
- Timer poll periodic		Not Present	
- CHOICE Downlink RI C mode		AMRIC	
- In-sequence deliverv		TRUE	
- Receiving window size		768	
- Downlink RLC status info			
<ul> <li>Timer_status_prohibit</li> </ul>		100	
- Timer_EPC		Not Present	
<ul> <li>Missing PDU indicator</li> </ul>		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
<ul> <li>Information for each multiplexing option</li> </ul>		1 RBMuxOption	
<ul> <li>RLC logical channel mapping indicator</li> </ul>		Not present	
<ul> <li>Number of uplink RLC logical channels</li> </ul>		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity			
- Logical channel identity		Not Present	
		Configurea	
- IVIAC logical channel priority		0	
- DUWINNIK REC IOGICAL CHARNEL IND		1	
channels			
- Downlink transport channel type		HS-DSCH	
- DL DCH Transport channel identity		Not present	
- DL DSCH Transport channel identity		Not present	
-1			

Information Element	Condition	Value/remark	Version
- DL HS-DSCH MAC-d flow identity		0	
- Logical channel identity		Not Present	
- RAB information for setup	A11		
- 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.	
<ul> <li>CN domain identity</li> </ul>		PS domain	
<ul> <li>NAS Synchronization Indicator</li> </ul>		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		20	
- PDCP info			
- Support for lossless SRINS relocation		FALSE	
- Max PDCP SN Window size		Abaant	
- FDCF FDO fielder		Absent Not propert	
		PLC info	
- CHOICE Unlink RI C mode			
- 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		200	
- Poll_PDU		Not Present	
- Poll_SDU		1	
<ul> <li>Last transmission PDU poll</li> </ul>		TRUE	
<ul> <li>Last retransmission PDU poll</li> </ul>		TRUE	
- Poll_Windows		99	
- Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		IRUE	
- Receiving window size		128	
- Downlink RLC status info		000	
- Timer_status_pronibit		200 Not Present	
- Timer_EPC Missing DDL indiactor			
- Missing PDU Indicator		IRUE Not Procent	
- RB manning info		Not Flesent	
- Information for each multiplexing option		2 RBMuxOntions	
- RI C logical channel mapping indicator		Not Present	
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		4	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
<ul> <li>Downlink RLC logical channel info</li> </ul>			
<ul> <li>Number of downlink RLC logical</li> </ul>		1	
channels			
- Downlink transport channel type		DCH	
- DL DCH Transport channel identity		9	
- DL DSCH Transport channel identity		Not Present	
- Logical channel identity		Not Present	
- KLU logical channel mapping indicator			
- INUMBER OF UPINK KLU IOGICAL CHANNELS			
- Uli Transport channel identity		Not Present	
- Oc manapoli channel identity		7	
- CHOICE RI C size list		, Explicit list	
- RI C size index		Reference to TS34,108 clause 6	
		Parameter Set	

Information Element	Condition	Value/remark	Version
- MAC logical channel priority		8	
- Downlink RLC logical channel info		4	
- Number of downlink RLC logical			
- Downlink transport channel type		FACH	
- DL DCH Transport channel identity		Not Present	
- DL DSCH Transport channel identity		Not Present	
RB information to be affected	A1, A2, A3,	Not Present	
	A4, A5, A6,		
	A7, A8,		
	Α11 Δ9 Δ10		REL-5
	, //0, //10		NEE 0
Downlink counter synchronisation info	A1, A2, A3,	Not Present	
	A7, A8,		
	A11		
	, A9, A10		REL-5
UL Transport channel information for all	A1, A2, A3,		
transport channels	A4, A5, A6,		
	A7, A8, A11		
	, A9, A10		REL-5
- PRACH TECS		Not Present	
- CHOICE mode		FDD	
- TFC subset		Not Present	
- UL DCH TFCS		Normal	
- TFCI Field 1 information		Normal	
- CHOICE TFCS representation		Complete reconfiguration	
- TFCS complete reconfigure			
- CHOICE CTEC Size		Number of hits used must be enough to	
		cover all combinations of CTFC from	
		TS34.108 clause 6.10.2.4 Parameter	
CTEC information		Set.	
		and reference to TS34.108 clause	
		6.10.2.4 Parameter Set	
- CTFC		Reference to TS34.108 clause 6.10.2.4	
- Power offset information		Parameter Set	
- CHOICE Gain Factors		Computed Gain Factors(The last TFC	
		is set to Signalled Gain Factors)	
- Gain factor βc		11 (below 64 kbps) 9 (bigbor than 64 kbps) (Not Present if	
		the CHOICE Gain Factors is set to	
		Computed Gain Factors)	
- Gain factor βd		15	
		Factors is set to Computed Gain	
		Factors)	
- Reference TFC ID		0	
- CHOICE mode		FDD Not Brogget	
Deleted UL TrCH information	A1. A2. A3.	Not Present	
	A4, A5, A6,		
	A7, A8,		
	A11 A9 A10		REL-5
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Added or Reconfigured UL TrCH information	A1, A3 A4, A5 A6 A7	T DCH added, 1 DCH reconfigured (if from cell_DCH) OR 2 DCHs added (if	
	, A9, A10	from cell_FACH)	REL-5
- Uplink transport channel type		рсн	

Information Element	Condition	Value/remark	Version
- UL Transport channel identity		1	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		Reference to IS34.108 clause 6.10	
Number of TPs and TTL List		(This IE is repeated for TEL 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			
<ul> <li>Transmission time interval</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Type of channel coding		Reference to TS34.108 clause 6.10	
Cadina Data		Parameter Set	
- Cooling Rate		Reference to 1534.108 clause 6.10	
- Rate matching attribute		Reference to TS34 108 clause 6 10	
Rate materning attribute		Parameter Set	
- CRC size		Reference to TS34.108 clause 6.10	
		Parameter Set	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		5	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		Reference to 1S34.108 clause 6.10	
Number of TRe and TTL List		(This IE is repeated for TEL 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			
<ul> <li>Transmission time interval</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Type of channel coding		Reference to TS34.108 clause 6.10	
Coding Poto		Parameter Set	
- County Rate		Parameter Set	
- Rate matching attribute		Reference to TS34 108 clause 6 10	
hato matering attribute		Parameter Set	
- CRC size		Reference to TS34.108 clause 6.10	
		Parameter Set	
Added or Reconfigured UL TrCH information	A11	1 DCH added for DTCH	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		4	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		Reference to 1S34.108 clause 6.10	
Number of TPs and TTLL ist		(This IE is reposted for TEL number)	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to TS3/ 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 1S34.108 clause 6.10	

Information Element	Condition	Value/remark	Version
- CRC size		Reference to TS34.108 clause 6.10	
Added or Reconfigured LII TrCH information	A2 A8	4 TrCHs(DCH for DCCH and 3DCHs	
	, 12, , 10	for DTCH)	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		5	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format information		Reference to TS3/ 108 clause 6 10	
NEO OIZO		Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CHOICE Logical Channel list		All	
- Semi-static Transport Format information		Deference to TS24 108 elevers 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	
<ul> <li>Rate matching attribute</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CRC SIZE		Reference to 1534.108 clause 6.10	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		Reference to 1534.108 clause 6.10	
- Number of TBs and TTLL ist		(This IF 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		Poteropae to TS24 108 claures 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	
Dete metaking atteilede		Parameter Set	
- Rate matching attribute		Reference to 1534.108 clause 6.10	
- CRC size		Reference to TS34 108 clause 6 10	
		Parameter Set	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		2	
- IFS		De diaste d transport about als	
- CHOICE 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	
- Number of Transport blocks		Reference to 1S34.108 clause 6.10	
- 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 IS34.108 clause 6.10	
		raiaillelei Sel	

Information Element	Condition	Value/remark	Version
- Coding Rate	oonanon	Reference to TS34.108 clause 6.10	Vereien
		Parameter Set	
- Rate matching attribute		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CRC size		Reference to 1S34.108 clause 6.10	
- Unlink transport channel type		DCH	
- UL Transport channel identity		3	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		Reference to 1S34.108 clause 6.10	
- Number of TBs and TTLL ist		(This IF 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 1S34.108 clause 6.10	
- Type of channel coding		Reference to TS34 108 clause 6 10	
rype of charmer county		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		Parameter Set	
CHOICE mode	A1, A2, A3,	FDD	
	A4, A5, A6,		
	A7, A8,		
	A11		
	, A9, A10		REL-5
- CPCH set ID		Not Present	
- Added or Reconfigured TrCH		Not Present	
information for DRAC list			
DI Transport channel information common for	A1 A2 A7		
all transport channel	A8		
- SCCPCH TFCS		Not Present	
- CHOICE mode		FDD	
- CHOICE DL parameters		SameasUL	
DL Transport channel information common for	A3, A4, A5,		
all transport channel	A6, A11 A0 A10		
- SCCPCH TECS	, дз, дто	Not Present	NEL-5
- CHOICE mode		FDD	
- CHOICE DL parameters		Explicit	
- DL DCH TFCS			
- CHOICE TFCI Signalling		Normal	
- IFCI Field 1 Information		Complete reconfiguration	
- TECS 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.	
- CIFC information		This IE is repeated for TFC numbers	
		and reference to 1534.108 clause	
- CTFC		Reference to TS34.108 clause 6.10 2 4	
		Parameter Set	
- Power offset information		Not Present	

Information Flomont	Condition	Value/romark	Vorsion
		Not Present	VEISION
	A4 A5 A6	Not i resent	
	A7. A8		
	, A9, A10		REL-5
Added or Reconfigured DL TrCH information	A1	1 DCH added, 1 DCH reconfigured	
- Downlink transport channel type		DCH	
		o Somo oo Lii	
- CHOICE DE parameters			
- UIL TrCH identity			
- DCH quality target			
- BLER Quality value		-2.0	
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
<ul> <li>DCH quality target</li> </ul>			
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH information	A3, A4, A5,	2 TrCHs(DCH for DCCH and DCH for	
	A6, A7	DICH)	
- Downlink transport channel type		DCH 10	
- DL Transport channel identity		10 Some co I II	
- CHOICE DL parameters			
- Opinik transport channel type		5	
- DCH quality target		5	
- BLER Quality value		-2.0	
- Downlink transport channel type		DCH	
- DL Transport channel identity		6	
- CHOICE DL parameters		Explicit	
- TFS		•	
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channel	
- Dynamic transport format information			
- RLC Size		Reference to 1S34.108 clause 6.10	
Number of TDe and TTLL ist		(This IF is reported for TFL number)	
Transmission Time Interval		(This IE is repeated for TFT humber.)	
- Number of Transport blocks		Reference to TS3/ 108 clause 6 10	
		Parameter Set	
- CHOICE Logical Channel list			
- Semi-static Transport Format information		, w	
- 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 1534.108 clause 6.10	
- DCH quality target			
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH information	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs	
Ĭ		for DTCH)	
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type		DCH	
- UL IrCH identity		5	
- DCH quality target		2.0	
- BLER Quality Value			
- Downlink transport channel type			
- CHOICE DL narameters		Explicit	
- TFS			

Information Element	Condition	Value/remark	Version
	oonantion	Dedicated transport channel	Version
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format information			
- RLC Size		Reference to TS34.108 clause 6.10	
		Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul> <li>Dynamic transport format information</li> </ul>			
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to TS34 108 clause 6 10	
- Number of Transport blocks		Reference to 1554.100 clause 0.10	
		Parameter Set	
- CHOICE Logical Channel list		All	
<ul> <li>Semi-static Transport Format information</li> </ul>			
<ul> <li>Transmission time interval</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Type of channel coding		Reference to TS34 108 clause 6 10	
Type of onalition occaring		Parameter Set	
Coding Data		Deference to TS24 109 eleves 6 10	
- Coding Rate		Reference to 1534.108 clause 6.10	
		Parameter Set	
<ul> <li>Rate matching attribute</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CRC size		Reference to TS34 108 clause 6 10	
0110 0120		Parameter Set	
DCH quality target			
<ul> <li>BLER Quality value</li> </ul>		Not Present	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL Transport channel identity		7	
- CHOICE DL parameters		Explicit	
		Explicit	
- CHOICE Transport channel type		Dedicated transport channel	
<ul> <li>Dynamic transport format information</li> </ul>			
- RLC Size		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Number of TBs and TTLList		(This IE is repeated for TEL number.)	
Dynamic transport format information			
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CHOICE Logical Channel list		All	
- Semi-static Transport Format information			
		Potoropoo to TS24 109 alouno 6 10	
- Transmission time interval		Reference to 1534.106 clause 6.10	
		Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		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	
- Nale matching allibule		Reference to 1554.100 clause 0.10	
- CRC size		Reference to IS34.108 clause 6.10	
		Parameter Set	
- DCH quality target			
- BLER Quality value		Not Present	
- Downlink transport channel type		DCH	
DL Transport shannel identity			
- DL Transport channel identity		0	
- CHOICE DL parameters		Explicit	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channel	
- Dynamic transport format information			
- RI C Size		Reference to TS34 108 clause 6 10	
		Deremeter Set	
- Number of TBs and TTLIst		(This IE is repeated for TFI number.)	
<ul> <li>Dynamic transport format information</li> </ul>			
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to TS34 108 clause 6 10	
		Parameter Set	
- CHOICE LOgical Channel list		All	
<ul> <li>Semi-static Transport Format information</li> </ul>			
- Transmission time interval		Reference to TS34.108 clause 6.10	
		Parameter Set	

Information Element	Condition	Value/remark	Version
- 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	
5		Parameter Set	
- CRC size		Reference to TS34.108 clause 6.10	
		Parameter Set	
- DCH quality target			
- BLER Quality value		Not Present	
Added or Reconfigured DL TrCH information	A9	3 TrCHs (DCH for DCCH and DCH plus	REL-5
		HS-DSCH for DTCH)	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
<ul> <li>DL Transport channel identity</li> </ul>		10	
<ul> <li>CHOICE DL parameters</li> </ul>		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
<ul> <li>DCH quality target</li> </ul>			
- BLER Quality value		-2.0	
<ul> <li>Downlink transport channel type</li> </ul>		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 TTT List		(This IE is repeated for TFI number.)	
- Dynamic transport format information			
- Iransmission Time Interval		Not Present	
- Number of Transport blocks		Reference to 1534.108 clause 6.10	
		Parameter Set	
- CHOICE Logical Channel list		All	
- Semi-static Transport Format Information		Deference to TC24 400 eleves C 40	
- Transmission time interval		Reference to 1534.108 clause 6.10	
Type of channel coding		Parameter Set	
- Type of charmer couling		Reference to 1334.100 clause 0.10	
- Coding Rate		Parameter Set Reference to TS3/ 108 clause 6 10	
		Parameter Set	
- Rate matching attribute		Reference to TS3/ 108 clause 6 10	
		Parameter Set	
- CBC size		Reference to TS34 108 clause 6 10	
		Parameter Set	
- DCH quality target			
- BLER Quality value		-2.0	
- Downlink transport channel type		HS-DSCH	
- DL Transport channel identity		Not Present	
- CHOICE DL parameters		HS-DSCH	
- HARQ Info			
- Number of Processes		6	
- CHOICE Memory Partitioning		Implicit	
- Added or reconfigured MAC-d flow			
- MAC-hs queue to add or reconfigure		(one queue)	
list			
- MAC-hs queue Id		0	
- MAC-d Flow Identity		0	
- T1		50	
- MAC-hs window size		16	
- MAC-d PDU size Info			
- MAC-d PDU size		336	
- MAC-d PDU size index		0	
- MAC-hs queue to delete list		Not present	
- DCH quality target		Not present	
Added or Reconfigured DL TrCH information	A10	2 TrCHs (DCH for DCCH and HS-	REL-5
		DSCH for DTCH)	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
Information Element	Condition	Value/remark	Version
--	-------------	---	---------
- DL Transport channel identity	Contaition	10	Verbien
- CHOICE DL parameters		Same as III	
- Unlink transport channel type		DCH	
- UL TrCH identity		5	
- DCH quality target		5	
- BLER Quality value		-2.0	
- Downlink transport channel type			
- DL Transport channel identity		Not Present	
- HARO Info			
- Number of Processes		ĥ	
- CHOICE Memory Partitioning			
- Added or reconfigured MAC-d flow		Implicit	
- MAC-bs queue to add or reconfigure			
list			
- MAC-hs queue Id		0	
- MAC-d Flow Identity		0	
- T1		50	
- MAC-hs window size		16	
- MAC-d PDU size Info		· -	
- MAC-d PDU size		336	
- MAC-d PDU size index		0	
- MAC-hs queue to delete list		Not present	
- DCH quality target		Not present	
Added or Reconfigured DL TrCH information	Δ11	1 DCH for DTCH	
- Downlink transport channel type	7.11	DCH	-
- DL Transport channel identity		9	
- CHOICE DL parameters		5 Explicit	
- TES		Explicit	
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format information			
- RI C Size		Reference to TS34 108 clause 6 10	
		Parameter Set	
- Number of TBs and TTLList		(This IE is repeated for TEL 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			
- 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	
Ŭ		Parameter 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,		
	A4, A5, A7,		
	A8, 11		
	, A9, A10		REL-5
- UARFCN uplink (Nu)		Reference to clause 5.1 Test	
		trequencies if frequency is different	
		Trom the current frequency otherwise	
		Set to NOT Present.	
- UAKFUN dOWNIINK (Nd)		Reierence to clause 5.1 lest	
		from the ourrest frequency is different	
		nom the current frequency otherwise	
	10	Set to NOT Present.	
I Frequency Into	Ab	INOT Present	1

Information Element	Condition	Value/remark	Version
Maximum allowed LIL_TX power		33dBm	Version
	$\Delta 1$ , $\Delta 2$ , $\Delta 3$ ,	Soubin	
	A11		
	A9 A10		REL-5
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Maximum allowed UL TX power	A5, A6	Not Present	
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info	
	A4, A7, A8,		
	A11		
<ul> <li>Uplink DPCH power control info</li> </ul>			
<ul> <li>DPCCH power offset</li> </ul>		-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	
- $\Delta_{NACK}$		Not Present	REL-5
- $\Delta_{NACK}$		Not Present	REL-5
<ul> <li>Ack-Nack repetition factor</li> </ul>		Not Present	REL-5
<ul> <li>Scrambling code type</li> </ul>		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 1S34.108 clause 6.10	
		Parameter Set	
- Number of FBI bit		Reference to 1S34.108 clause 6.10	
Durante size a Linsit		Parameter Set	
- Puncturing Limit		Reference to 1S34.108 clause 6.10	
CHOICE channel requirement	AO A10		
	A9, A10		REL-D
		64D	
		-00B	
- SRB delay		7 frames	-
- Power Control Algorithm		Algorithm1	
- TPC step size		10B	
- Δ <sub>ACK</sub>		3	
- Anack		3	
- Ack-Nack repetition factor		1	
- Scrambling code type		Long	
- Scrambling code number		0 (0 to 16777215)	
- Number of DPDCH		Not Present(1)	
<ul> <li>spreading factor</li> </ul>		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 channel requirement	A5,A6	Not Present	
CHOICE Mode	A1, A2, A3,	FDD	
	A4, A5, A6,		
	A7, A8,		
	, A9, A10		REL-5
- Downlink PDSCH information		Not Present	
Downlink information common for all radio links	A1, A2, A3,		
	A11		
- Downlink DPCH info common for all RL			
- Timing indicator		Maintain	
<ul> <li>CFN-targetSFN frame offset</li> </ul>		Not Present	
<ul> <li>Downlink DPCH power control</li> </ul>			
information			
- DPC mode		0 (single)	1

Information Element	Condition	Value/remark	Version
	Condition		Version
- FOWEI OIISEL FPilot-DPDCH		U Not Present	
- DL Tale maloring restriction mornation		Peteronee to TS34 108 clause 6 10	
		Parameter Set	
Eived or Elevible Desition		Parameter Set	
- Fixed of Flexible Position		Reference to 1534.106 clause 6.10	
		Parameter Set	
- IFCI existence		Reference to 1534.108 clause 6.10	
		Parameter Set	
- CHOICE SF		Reference to 1534.108 clause 6.10	
		Parameter Set	
- CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- IX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
Downlink information common for all radio links	A9		REL-5
<ul> <li>Downlink DPCH info common for all RL</li> </ul>			
- Timing indicator		Maintain	
<ul> <li>CFN-targetSFN frame offset</li> </ul>		Not Present	
- Downlink DPCH power control			
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset PPilot-DPDCH		0	
- DL rate matching restriction information		Not Present	
- DE late matching restriction information		Reference to TS24 108 cloure 6 10	
		Reference to 1554.106 clause 6.10	
Eine dien Elevitele Desidier			
- Fixed or Flexible Position		Reference to 1534.108 clause 6.10	
7501	-	Parameter Set	
- IFCI existence		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CHOICE SF		Reference to TS34.108 clause 6.10	
		Parameter Set	
- CHOICE mode		FDD	
<ul> <li>DPCH compressed mode info</li> </ul>		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
- MAC-hs reset indicator		TRUE	
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	
- 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	
- TECL existence		Reference to TS34 108 clause 6 10	
		Parameter Set	
		Reference to TS3/ 108 clause 6 10	
		Parameter Set	
- CHOICE mode			
- DPCH compressed mode info		Not Present	
- Di On compresseu mode - TX Diversity mode		None	
- IX Diversity mode		Not Present	
		Arbitrary set to value 0 306699 by stop	
		of 512	
Downlink information common for all radio links	A10		REL 5
	AIU		REL-0
	I	I	I

Information Flomont	Condition	Value/romark	Varsion
Timing indicator	Condition		Version
- Timing indicator		Not Procent	
- Downlink DPCH power control		Not riesent	
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset PPilot-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	
- IX Diversity mode		None Not Drocont	
- SSDT Information		Not Present	
- Delault DPCH Oliset Value		Albitrary set to value 0306666 by step	
MAC be report indicator			
Downlink HS-PDSCH Information		Not Present	PEL-5
Downlink 110-1 Door1 Information	$\Delta 4$ $\Delta 5$ $\Delta 6$	Not resent	INEL=5
	A7 A8		
	A11		
Downlink HS-PDSCH Information	A9. A10		REL-5
- HS-SCCH Info			
- CHOICE mode		FDD	
- DL Scrambling Code		Not present	
- HS-SCCH Channelisation Code			
Information			
- HS-SCCH Channelisation Code		1	
- Measurement Feedback Info			
- CHOICE mode		FDD	
- POhsdsch		6 dB	
- CQI Feedback cycle, k		4 ms	
		I 5 (corresponds to 0dB in relative nower	
- ACQI		offset)	
- CHOICE mode		FDD (no data)	
Downlink information common for all radio links	A5 A6	Not Present	
Downlink information for each radio link list	A1, A2, A3,		
	A4, A7, A8,		
	A11		
- Downlink information for each radio link			
- Choice mode		FDD	
- Primary CPICH info			
<ul> <li>Primary scrambling code</li> </ul>		Ref. to the Default setting in TS34.108	
		clause 6.1 (FDD)	
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link indicator		FALSE	REL-5
- DOWNINK DPCH INIO IOI Each RL		Drimony CDICH may be used	
estimation		Fillinary CFICIT 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	
- 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 code change	
<ul> <li>TPC combination index</li> </ul>	1	0	

Information Element	Condition	Value/remark	Version
- SSDT Cell Identity		Not Present	
<ul> <li>Closed loop timing adjustment mode</li> </ul>		Not Present	
- SCCPCH information for FACH		Not Present	
Downlink information for each radio link list	A5		
<ul> <li>Downlink information for each radio link</li> </ul>			
- Choice mode		FDD	
- Primary CPICH info			
<ul> <li>Primary scrambling code</li> </ul>		Ref. to the Default setting in TS34.108	
		clause 6.1 (FDD)	
<ul> <li>PDSCH with SHO DCH info</li> </ul>		Not Present	
- PDSCH code mapping		Not Present	
<ul> <li>Serving HS-DSCH radio link indicator</li> </ul>		FALSE	REL-5
<ul> <li>Downlink DPCH info for each RL</li> </ul>		Not present	
<ul> <li>SCCPCH information for FACH</li> </ul>		Not Present	
Downlink information for each radio link list	A9, A10		REL-5
- Downlink information for each radio link			
- Choice mode		FDD	
- Primary CPICH info			
<ul> <li>Primary scrambling code</li> </ul>		Ref. to the Default setting in TS34.108	
		clause 6.1 (FDD)	
<ul> <li>PDSCH with SHO DCH info</li> </ul>		Not Present	
<ul> <li>PDSCH code mapping</li> </ul>		Not Present	
<ul> <li>Serving HS-DSCH radio link indicator</li> </ul>		TRUE	
<ul> <li>Downlink DPCH info for each RL</li> </ul>			
<ul> <li>Primary CPICH usage for channel</li> </ul>		Primary CPICH may be used	
estimation			
- DPCH frame offset		Set to value Default DPCH Offset Value	
		(as currently stored in SS) mod 38400	
<ul> <li>Secondary CPICH info</li> </ul>		Not Present	
<ul> <li>DL channelisation code</li> </ul>			
<ul> <li>Secondary scrambling code</li> </ul>		Not present	
<ul> <li>Spreading factor</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Code number		0	
- Scrambling code change		No code change	
- TPC combination index		0	
- SSDT Cell Identity		Not Present	
<ul> <li>Closed loop timing adjustment mode</li> </ul>		Not Present	
- SCCPCH information for FACH		Not Present	
Downlink information for each radio link list	A6	Not Present	

Condition	Explanation	Version
A1	This IE is needed for "Non speech to CELL_DCH from CELL_DCH in CS"	
A2	This IE is needed for "Speech to CELL_DCH from CELL_DCH in CS"	
A3	This IE is needed for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE is needed for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE is needed for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE is needed for "Packet to CELL_FACH from CELL_FACH in PS"	
A7	This IE is needed for "Non speech to CELL_DCH from CELL_FACH in CS"	
A8	This IE is needed for "Speech to CELL_DCH from CELL_FACH in CS"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH using three	REL-5
	multiplexing options", or when not stated otherwise, for "Packet to	
	CELL_DCH / HS-DSCH from CELL_DCH in PS"	
A10	This IE is needed for "Packet to CELL_DCH / HS-DSCH using one	REL-5
	multiplexing option", or when not stated otherwise, for "Packet to CELL_DCH	
	/ HS-DSCH from CELL_FACH in PS"	
A11	This IE is needed for " Packet RAB Setup after Speech RAB Setup in	
	CELL_DCH"	

Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark	Version
Message Type	A1, A2, A3,		
	A4, A5, A6,		
	A7, A8		
	, A9, A10		REL-5
RRC transaction identifier		Arbitrarily selects an integer between 0	
		and 3	
Integrity check info		00 selected the veloce of MAO Lifes	
- message authentication code		this message and writes to this IF. 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 into		Not Present	
Activation time	Δ1 Δ2 Δ3	(256+CEN-(CEN-MOD-8+8))MOD-256	
	A7. A8		
	, A9, A10		REL-5
Activation time	A4, A5, A6	Not Present	
New U-RNTI		Not Present	
New C-RNTI	A1,A2,A3,	Not Present	
	A4		
	, A9		REL-D
New C-RNTI	A5, A6, A7,		
	A10	-	REL-5
New DSCH-RNTI	A1, A2, A3,	Not Present	
	A4, A5, A6,		
	A7, A8		
	, A9, A10,		REL-5
RRC State indicator	A1,A2, A3,	CELL DCH	
	A4		
	, A9		REL-5
RRC State indicator	A5, A6, A7,	CELL_FACH	
	A8	-	
LITRAN DRX cycle length coefficient		Not Present	REL-D
	A4.A5.A6.	Norriesent	
	A7, A8		
	, A9, A10		REL-5
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,		
- RB identity	Aδ	10	
RB information to release	A2 A8		
- RB identity	, , , , , , , , , , , , , , , , , , , ,	11	
RB information to release	A2, A8		
- RB identity		12	
RB information to release	A3, A4, A5,		
- RB identity	AO	20	
RB information to release	A9, A10		REL-5
- RB identity	-,	<u>2325</u>	
RB information to be affected	A1,A2,	Not Present	
	A3,A4,A5,		
	A6, A7, A8		
	, A9, A10		REL-D
		J	1

Information Element		Value/remark	Version
Downlink counter synchronisation info	A1,A2,A3,	Not Present	
	A4,A5,A6,		
	Δ9 Δ10		REL-5
	, 73, 710		INEL-5
UL Transport channel information for all	A1, A2, A3,	TFCS reconfigured to fit the new	
transport channels	A4, A5, A6,	transport channel configuration.	
	A7, A0 A9 A10		REL-5
	, , , , , , , , , , , , , , , , , , , ,		
Deleted UL TrCH Information	A1,A2, A3,		
	A4, A5, A6, Δ7 Δ8		
	. A9. A10		REL-5
		DOU	
- Uplink transport channel type			
Deleted UL TrCH Information	A2, A8		
- Uplink transport channel type	,	DCH	
- Transport channel identity		2	
Deleted UL TrCH Information	A2, A8	DOLL	
- Uplink transport channel type			
Added or Reconfigured UL TrCH information	A5 A6 A7	Not Present	
raded of recominguing of the reference in a second se	A8		
	, A10		REL-5
Added or Reconfigured UL TrCH information	A1, A2, A3,	TrCHs(DCH for DCCH)	
	A4		
Liplink transport shapped type	, A9	DCH	REL-5
- Uplink transport channel type		5	
- TFS		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	
- Number of TBs and TTLL ist		(This IE is repeated for TEL 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	
- 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 1S34.108 clause	
		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	
		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	A1, A2, A3,	TFCS reconfigured to fit the new	
transport channels	A4, A5, A6,	transport channel configuration.	
	. A9. A10		REL-5
	,,		1

Information Element		Value/remark	Version
Deleted DL TrCH Information	A1 A2 A3	Para of Para o	
	A4. A5.		
	A6, A7, A8		
	, A9		REL-5
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- Transport channel identity		6	
Deleted DL TrCH Information	A2, A8		
- Downlink transport channel type		DCH	
- I ransport channel identity		1	
Deleted DL TrCH Information	A2, A8	DCH	
- Downlink transport channel type			
Deleted DL TrCH Information	A9 A10	0	REL-5
- Downlink transport channel type	/10, /110	HS-DSCH	
- DL HS-DSCH MAC-d flow identity		0	
Added or Reconfigured DL TrCH information	A5, A6, A7,	Not Present	
	A8		
	, A10		REL-5
Added or Reconfigured DL TrCH information	A1, A2, A3,	1 TrCHs(DCH for DCCH)	
	A4		
	, A9		REL-5
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type			
- UL ITCH Identity		5	
		Not Present	
Frequency info	A1 A2 A3		
	A4.A5. A7.		
	A8		
	, A9, A10		REL-5
		Deference to clouce 5.4 Test	
		frequencies	
- LIARECN 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,	Not Present	
	A8		
	, A10		REL-5
CHOICE channel requirement	A1,A2,A3,	Uplink DPCH info	
	A4		
	, A9		REL-5
- Uplink DPCH power control into			
- DFCCH power offset		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
$-\Delta_{ACK}$		Not Present	REL-5
- $\Delta_{NACK}$		Not Present	REL-5
<ul> <li>Ack-Nack repetition factor</li> </ul>		Not Present	REL-5
- TPC step size		1dB	
- Scrambling code type			
- Scrambling code number		U(U to 16/7/215)	
- INUITIBLE OF DEPUCH		Reference to TS24 108 clause 6 10	
- spreading factor		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	
	1	L Parameter Set	1

Information Element		Value/remark	Version
CHOICE Mode	A1 A2 A3	FDD	Verbien
	A4 A5 A6		
	A7, A8		
	. A9. A10		REL-5
	,,		
- Downlink PDSCH information		Not Present	
Downlink HS-PDSCH Information	A1, A2, A3,	Not Present	REL-5
	A4, A5, A6,		
	A7, A8, A9,		
	A10		
Downlink information common for all radio links	A5, A6,	Not Present	
	A7, A0		
Devention information, commune for all radia links	, A10		REL-0
Downlink information common for all radio links	A1,A2, A3		
	, A9		REL-5
- Downlink DPCH into common for all RL		NA-in-A-in	
- Timing indicator		Maintain Not Procent	
- CFN-largelSFN frame offset		Not Present	
information			
- DPC mode		0 (single)	
- CHOICE mode		EDD	
		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	
- IX Diversity mode		None	
- SSDT Information		Not Present	
- Default DPCH Offset Value		Not Present	
Downlink information common for all radio links	Δ.4	Not resent	INEL-5
- Downlink Information common for all RI	A4		
- Timing indicator		Initialise	
- CEN-targetSEN frame offset		Not Present	
- Downlink DPCH power control			
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset P <sub>Pilot-DPDCH</sub>		0	
- DL rate matching restriction information		Not Present	
- Spreading factor		Reference to TS34.108 clause 6.10	
Final as Flavible Desition		Parameter Set	
- Fixed of Flexible Position		Reference to 1534.108 clause 6.10	
TECI ovietopoo		Parameter Set	
- TFCI existence		Parameter Set	
- CHOICE SE		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	
- MAC-hs reset indicator		Not Present	REL-5
Downlink information for each radio link list	A1,A2,A3		
	, A9		REL-5
-Downlink information for each radio link			
- Choice mode		FDD	
- Primary CPICH info			
<ul> <li>Primary scrambling code</li> </ul>	1	Ret. to the Default setting in TS34.108	

Information Element		Malua (namarla	Vanalan
Information Element		Value/remark	Version
		clause 6.1 (FDD)	
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link indicator		FALSE	REL-5
- Downlink DPCH info for each RL			
- Primary CPICH usage for channel		Primary CPICH may be used	
estimation			
- 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			
- channelisation code			
- DL channelisation code			
- Secondary scrambling code		3	
- Spreading factor		Reference to IS34.108 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	A4		
-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	
- Serving HS-DSCH radio link indicator		FALSE	REL-5
- Downlink DPCH info for each RL			
- Primary CPICH usage for channel		Primary CPICH may be used	
estimation			
- 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 Defense to TO04 400 slaves 0.40	
- Spreading factor		Reference to 1534.108 clause 6.10	
Codo pumbor			
- Code number		U No shanga	
TPC combination index			
- TPC combination index		U Not Procent	
Closed loop timing adjustment mode		Not Present	
- Closed loop liming adjustment mode		Not Present	
- SCCFCITIMOIMATION FACIT		Not Flesent	
- Downlink information for each radio link	AD, A7, A8	EDD	
- Drimary CDICH info			
- Filling OFION IIIIO		Pot to the Default eatting in TS24 100	
- Frittary scrattbilling code		Clause 6.1 (EDD)	
DDSCH with SHO DCH info		Not Present	
		Not Present	
- T DOUT LOUE Mapping			
		Not procent	NEL-0
- DOWNING DECENTION OF EACH		Not Present	
- OOUT OFFICIENTIALION OF FACE	AG A40	Not Proport	
	A0, A10	INULFICOCIIL	

	Condition	Explanation	Version
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"	
A9		This IE is needed for "Packet to CELL_DCH / HS-DSCH using three	REL-5
		multiplexing options", or when not stated otherwise, for "Packet to CELL_DCH	
		from CELL_DCH / HS-DSCH in PS"	
A10		This IE is needed for "Packet to CELL_DCH / HS-DSCH using one	REL-5
		multiplexing option", or when not stated otherwise, for "Packet to CELL_FACH	
		from CELL_DCH / HS-DSCH in PS"	

# Contents of RADIO BEARER SETUP message: AM or UM (HSDPA)

Information Element	Value/remark	Version
Message Type	Taluo, Tomana	10101011
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	
	string contains the most significant bit of the MAC-	
	I. 5	
<ul> <li>RRC message sequence number</li> </ul>	SS provides the value of this IE, from its internal	
	counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	Not Present	
	Not Present	
	Not Present	
New H-RNTI	101 Flesent 1010 1010 1010 1010'	REL-5
RRC State indicator		NEE 0
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 list		
<ul> <li>RAB information for setup</li> </ul>		
- RAB info	(high-speed AM DTCH for PS domain)	
- RAB identity	0000 0110B	
	I he first/ leftmost bit of the bit string contains the	
CNI domain identity	most significant bit of the RAB identity.	
- ON domain identity	Not Present	
- Re-establishment timer	UseT315	
- RB information to setup	0001010	
- RB identity	<del>23</del> 25	
- PDCP info		
<ul> <li>Support for lossless SRNS relocation</li> </ul>	FALSE	
<ul> <li>Max PDCP SN window size</li> </ul>	Not present	
- PDCP PDU header	Absent	
- Header compression information	Not present	
- CHOICE RLC into type	RLC info	
- CHOICE Uplink RLC mode		
- CHOICE SDI I discard mode	No Discard	
- MAX DAT	15	
- Transmission window size	128	
- Timer RST	500	
- Max_RST	4	
- Polling info		
- Timer_poll_prohibit	100	
- Timer_poll	100	
- Poll_PDU	Not Present	
- POILSDU		
- Last italismission PDU poli		
- Poll Windows	99	
- Timer poll periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	768	
- Downlink RLC status info		
- Timer_status_prohibit	100	
- Timer_EPC	Not Present	
- Missing PDU indicator	IKUE Not Present	
- IImer_STATUS_periodic	NUL Present	
- Information for each multiplexing option	2 RBMuxOntions	
- RI C logical channel manning indicator	Not Present	
neo logioal onannoi mapping indioator		

Information Element	Value/remark	Version
- 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		
<ul> <li>Number of downlink RLC logical channels</li> </ul>	1	
<ul> <li>Downlink transport channel type</li> </ul>	HS-DSCH	
<ul> <li>DL DCH Transport channel identity</li> </ul>	Not Present	
<ul> <li>DL DSCH Transport channel identity</li> </ul>	Not Present	
<ul> <li>DL HS-DSCH MAC-d flow identity</li> </ul>	0	
- Logical channel identity	Not Present	
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels		
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	/	
- CHOICE RLC SIZE IIST	Explicit list	
- RLC Size Index	Neierence to 1534.108 clause 6 Parameter Set	
- MAC logical channel phonty	o	
- Downlink RLC logical channel into	1	
- Number of downlink RLC logical channels		
- DOWININK transport channel identity	Not Present	
- DL DCH 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 TECS	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 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 Bc	11 (below 64 kbps)	
	9 (higher than 64 kbps) (Not Present if the	
	CHOICE Gain Factors is set to Computed Gain	
Onin factor Orl	Factors)	
- Gain factor po	15 (Not Present if the CHOICE Opin Fosters is get to	
	(Not Present II the CHOICE Gain Factors is set to	
Reference TEC ID		
- Onote mode	Not Present	
- FOWEI UIISEL F P-M Deleted LII, TrCH information list	Not Present	
Added or Reconfigured LIL TrCH information list	1	
Added or Reconfigured III TrCH information	1 DCH added 1 DCH reconfigured	
- Unlink transport channel type	DCH	
- UI Transport channel identity	1	
- TFS	'	
- CHOICE Transport channel type	Dedicated transport channels	

Information Element	Value/remark	Version
- Dynamic Transport format information	Value/remark	Version
- RI C 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	
<ul> <li>Semi-static Transport Format information</li> </ul>		
<ul> <li>Transmission time interval</li> </ul>	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 1534.108 clause 6.10 Parameter	
- Pate matching attribute	Del Reference to TS3/ 108 clause 6 10 Parameter	
- Nate matching attribute	Sof	
- CRC size	Reference to TS34 108 clause 6 10 Parameter	
	Set	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- TFS		
<ul> <li>CHOICE Transport channel type</li> </ul>	Dedicated transport channels	
<ul> <li>Dynamic Transport format information</li> </ul>		
- RLC Size	Reference to TS34.108 clause 6.10 Parameter	
- Number of IBs and III List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Rot Present	
- Number of Transport blocks	Sot	
- CHOICE Logical Channel list		
- 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	
Determentalism attribute	Set	
- Rate matching attribute	Reference to 1534.108 clause 6.10 Parameter	
- CRC size	Reference to TS34 108 clause 6 10 Parameter	
0100 5120	Set	
CHOICE mode	FDD	
- CPCH set ID	Not Present	
- Added or Reconfigured TrCH information for DRAC	Not Present	
list		
DL Transport channel information common for all		
transport channel		
- SCCPCH IFCS	Not Present	
- CHOICE mode	FDD	
	Explicit	
- DE DOITTFOS	Normal	
- TECL Field 1 Information	Normai	
- 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 TS34.108	
	clause 6.10.2.4 Parameter Set.	
- CTFC information	This IE is repeated for TFC numbers and	
	reterence to IS34.108 clause 6.10.2.4	
- 01F0	Reference to 1534.108 clause 6.10.2.4 Parameter	
- Power offset information	Set Not Present	
Deleted DL TrCH information	Not Present	
Added or Reconfigured DL TrCH information list	1	
Added or Reconfigured DL TrCH information	2 TrCHs(DCH for DCCH and HS-DSCH for	

- Downlink transport channel type       DTCH)         - DL Transport channel identity       10         - CHOICE DL parameters       Same as UL         - Uplink transport channel type       DCH         - UL TrCH identity       5         - DCH quality target       -2.0         - BLER Quality value       -2.0         - Downlink transport channel type       HS-DSCH         - DL Transport channel identity       Not Present         - CHOICE DL parameters       HS-DSCH         - HARQ Info       Reference to TS34.121 [2] Annex C Fixed         - CHOICE Memory Partitioning       Implicit         - Number of Processes       Reference Channels         - MAC-hs queue to ad or reconfigure list       0         - MAC-d Flow Identity       0         - T1       50         - MAC-d PDU size Info       16         - MAC-d PDU size info       16         - MAC-d PDU size index       0         - MAC-d PDU size index       0         - DCH quality target       Not present
Downlink transport channel type     DCH     DL Transport channel type     UL TrCH identity     DCH     DCH     UL TrCH identity     DCH     UL Transport channel type     DCH     DCH     DL Transport channel type     DCH     DCH     DCH     DL Transport channel type     DCH     DCH     DL Transport channel identity     CHOICE DL parameters     -DL Transport channel identity     CHOICE Memory Partitioning     -Added or reconfigured MAC-d flow     -MAC-hs queue to add or reconfigure list     -MAC-hs queue to add or reconfigure list     -MAC-hs queue ld     O     -T1     MAC-d PDU size Info     -MAC-d PDU size Info     -MAC-d PDU size Info     -MAC-d PDU size Info     -MAC-hs queue to delete list     -DCH quality target     Reference Channels     Vot present     -DCH quality target     Frequency info     Maximum allowed UL TX power     CHOICE channel requirement     -Uplink DPCH power control info     -CHOICE mode     -DPCCH power control info     -DPCCH power control info     -DPCCH power control info     -DPCCH power offset     -PC Preamble     SRB delay     T
- DL Transport channel identity       10         - OHOLCE DL parameters       Same as UL         - UL TrCH identity       5         - DCH quality target       -2.0         - Downlink transport channel type       -8.125         - DL Transport channel identity       -2.0         - Downlink transport channel type       -2.0         - Du Transport channel identity       Not Present         - CHOICE DL parameters       HS-DSCH         - HARQ Info       Reference to TS34.121 [2] Annex C Fixed         - CHOICE Memory Partitioning       Implicit         - Added or reconfigured MAC-d flow       -         - MAC-hs queue to add or reconfigure list       (one queue)       Rel-5         - MAC-hs queue ld       0       -         - MAC-hs queue ld       0       -         - MAC-d PDU size Info       -       -         - MAC-d PDU size Info       -       -         - MAC-hs queue to delete list       Not present       -         - DCH quality target       Not present       -         - MAC-h pu usize Info       -       -         - MAC-hs queue to delete list       Not present       -         - DCH quality target       Not present       -         - DCH queue
- CHOICE DL parameters     - Uplink transport channel type     - UL TrCH identity     - DCH quality target     - BLER Quality value     - DCH quality target     - BLER Quality value     - DCH quality target     - DL Transport channel identity     - CHOICE DL parameters     - CHOICE DL parameters     - CHOICE DL parameters     - Number of Processes     - CHOICE Memory Partitioning     - Added or reconfigured MAC-d flow     - MAC-hs queue to add or reconfigure list     - MAC-d Flow Identity     - T1     - MAC-d PDU size Info     - MAC-d PDU size infex     - MAC-d PDU size infex     - MAC-d PDU size infex     - MAC-hs queue to delete list     - CHOICE channel requirement     - DCH quality target     - CHOICE mode     - DPCCH power control info     - CHOICE mode     - DPCCH power control info     - CHOICE mode     - DPC Preamble     - SRB delay     - SRB delay     - Tames     - SRB delay     - Tames     - CHOICE mode     - SRB delay     - SRB delay     - CHOICE mode     - Choice mode     - Choice mode     - Choice mode     - SRB delay     - CHOICE mode     - Choice mode     - SRB delay     - CHOICE mode     - Choice mode     - SRB delay     - Choice mode     - Choice mode     - SRB delay     - Choice mode     - Choice mode     - Choice mode     - Choice mode     - SRB delay     - Choice mode     - Choice mode     - SRB delay     - Choice mode     - Choice mode     - Choice mode     - SRB delay     - Choice mode     - Choice mode     - Choice mode     - SRB delay     - Choice mode     - Choice mode
- Uplink transport channel type       DCH         - UL TrCH identity       5         - DCH quality target       -2.0         - BLER Quality value       -2.0         - Downlink transport channel type       HS-DSCH         - DL Transport channel identity       Not Present         - CHOICE DL parameters       HS-DSCH         - Number of Processes       Reference to TS34.121 [2] Annex C Fixed         - CHOICE Memory Partitioning       Implicit         - Added or reconfigured MAC-d flow       (one queue)         - MAC-hs queue to add or reconfigure list       0         - MAC-hs queue to add or reconfigure list       0         - MAC-d Flow Identity       0         - MAC-d PDU size Info       16         - MAC-d PDU size Info       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size Info       Not present         - MAC-d PDU size index       0         - CHOICE channel requirement       Not present         - DCH quality tar
- UL IrCH identity       5         - DCH quality target       -2.0         - BLER Quality value       -2.0         - Downlink transport channel type       HS-DSCH         - DL Transport channel identity       Not Present         - CHOICE DL parameters       HS-DSCH         - HARQ Info       Reference to TS34.121 [2] Annex C Fixed         - CHOICE Memory Partitioning       Implicit         - Added or reconfigured MAC-d flow       Implicit         - MAC-hs queue to add or reconfigure list       0         - MAC-hs queue ld       0         - MAC-hs window size       16         - MAC-d PDU size Info       Reference Channels         - MAC-d PDU size Info       Reference Channels         - MAC-d PDU size Info       0         - MAC-d PDU size Info       Not present         - MAC-d PDU size Info       0         - MAC-d PDU size Info       0         - MAC-d PDU size Infox       0         - DCH quality target       Not present         - DCH q
<ul> <li>DCH quality target</li> <li>BLER Quality value</li> <li>Downlink transport channel type</li> <li>DL Transport channel identity</li> <li>CHOICE DL parameters</li> <li>HARQ Info</li> <li>Number of Processes</li> <li>CHOICE <i>Memory Partitioning</i></li> <li>Added or reconfigured MAC-d flow</li> <li>MAC-hs queue to add or reconfigure list</li> <li>MAC-hs queue ld</li> <li>MAC-d Flow Identity</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size index</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>MAC-hs queue to delete list</li> <li>MAC-hs queue to delete list</li> <li>MAC-d PDU size index</li> <li>Mot Present</li> <li>Mot Present</li> <li>Mot Present</li> <li>Mot Present</li> <li>Mac - d PDU size index</li> <li>Mot Present</li> <li>Mot Present</li></ul>
- BLER Quality Value       -2.0         - Downlink transport channel identity       HS-DSCH         - DL Transport channel identity       Not Present         - CHOICE DL parameters       HS-DSCH         - HARQ Info       Reference to TS34.121 [2] Annex C Fixed         - Number of Processes       Reference Channels         - CHOICE Memory Partitioning       Implicit         - Added or reconfigured MAC-d flow       (one queue)         - MAC-hs queue to add or reconfigure list       0         - MAC-hs queue ld       0         - MAC-hs window size       16         - MAC-d PDU size Info       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size Info       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size Info       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size Info       Reference Channels         - MAC-d PDU size Info       Reference Channels         - MAC-d PDU size Info       Not present         - MAC-d PDU size Info       Vot present         - MAC-d PDU size Info       Uplict         - MAC-d PDU size Info       Vot present         - DCH quality target       Not present         - DCH quality target       Vot present         - DCH quality target       Not Present </td
- Downlink transport channel type       HS-DSCH       Ref-5         - DL Transport channel identity       Not Present         - CHOICE DL parameters       HS-DSCH       Ref-5         - HARQ Info       Reference to TS34.121 [2] Annex C Fixed       Ref         - Number of Processes       Reference to TS34.121 [2] Annex C Fixed       Ref         - CHOICE Memory Partitioning       Implicit       Reference Channels       Ref         - Added or reconfigured MAC-d flow       Implicit       0       Ref-5         - MAC-hs queue to add or reconfigure list       (one queue)       0       Ref-5         - MAC-hs queue to add or reconfigure list       0       0       Ref-5         - MAC-hs queue to add or reconfigure list       0       0       Ref-5         - MAC-d Flow identity       0       0       0       Ref-5         - MAC-d PDU size Info       16       Reference to TS34.121 [2] Annex C Fixed       Reference Channels       0         - MAC-d PDU size index       0       0       Not present       Not present       Not present       Not present       Not present         - DCH quality target       Not Present       33dBm       Uplink DPCH info       Uplink DPCH info       Uplink DPCH power control info       FDD         - CHOICE mode
<ul> <li>DL Transport channel identity</li> <li>CHOICE DL parameters</li> <li>HARQ Info</li> <li>Number of Processes</li> <li>CHOICE Memory Partitioning</li> <li>Added or reconfigured MAC-d flow</li> <li>MAC-hs queue to add or reconfigure list</li> <li>MAC-hs queue to add or reconfigure list</li> <li>MAC-hs queue ld</li> <li>MAC-d Flow identity</li> <li>T1</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>O</li> <li>Trequency info</li> <li>Maximum allowed UL TX power</li> <li>CHOICE channel requirement</li> <li>Uplink DPCH power control info</li> <li>CHOICE mode</li> <li>DPCCH power offset</li> <li>PC Preamble</li> <li>SRB delay</li> <li>Tames</li> </ul>
- CHOICE DL parameters       HS-DSCH       Rel-5         - HARQ Info       Reference to TS34.121 [2] Annex C Fixed       Rel-5         - Number of Processes       Reference Channels       Implicit         - Added or reconfigured MAC-d flow       Implicit       Reference Channels       Rel-5         - MAC-hs queue to add or reconfigure list       (one queue)       Rel-5       Rel-5         - MAC-hs queue to add or reconfigure list       0       0       Rel-5         - MAC-hs queue to add or reconfigure list       0       0       Rel-5         - MAC-hs queue ld       0       0       Rel-5         - MAC-d PDU size Info       16       Reference to TS34.121 [2] Annex C Fixed       Reference Channels         - MAC-d PDU size Info       Reference to TS34.121 [2] Annex C Fixed       Reference Channels       0         - MAC-d PDU size index       0       0       0       Reference Channels       0         - MAC-d PDU size index       0       0       Not present       Not present       Not present       Not present       Not present         - DCH quality target       Not present       33dBm       Uplink DPCH info       Uplink DPCH info       Uplink DPCH info       FOD         - CHOICE mode       - 6dB       - 6dB       1 frame
<ul> <li>HAQ Into</li> <li>Number of Processes</li> <li>CHOICE Memory Partitioning</li> <li>Added or reconfigured MAC-d flow</li> <li>MAC-hs queue to add or reconfigure list</li> <li>MAC-d Flow Identity</li> <li>T1</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size index</li> <li>MAC-d PDU size index</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>MAC-hs queue to delete list</li> <li>DCH quality target</li> <li>Frequency info</li> <li>Maximum allowed UL TX power</li> <li>CHOICE mode</li> <li>DPCCH power control info</li> <li>CHOICE mode</li> <li>PC Preamble</li> <li>SRB delay</li> </ul>
<ul> <li>- Number of Processes</li> <li>- CHOICE Memory Partitioning</li> <li>- Added or reconfigured MAC-d flow</li> <li>- MAC-hs queue to add or reconfigure list</li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info</li> <li>- MAC-d PDU size Info</li> <li>- MAC-hs queue to delete list</li> <li>- DCH quality target</li> <li>- DCH quality target</li> <li>- DCH queuement</li> <li>- Uplink DPCH power control info</li> <li>- CHOICE mode</li> <li>- DPCCH power offset</li> <li>- CHOICE mode</li> <li>- PC Preamble</li> <li>- SRB delay</li> </ul>
- CHOICE Memory Partitioning       Implicit         - Added or reconfigured MAC-d flow       Implicit         - MAC-hs queue to add or reconfigure list       (one queue)       Rel-5         - MAC-hs queue ld       0       0         - MAC-hs queue ld       0       0         - MAC-hs window size       16       16         - MAC-d PDU size Info       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size index       0       0         - MAC-d PDU size index       0       0         - MAC-hs queue to delete list       Not present       16         - MAC-d PDU size index       0       0         - MAC-hs queue to delete list       Not present       16         - MAC-hs queue to delete list       Not present       16         - MAC-hs queue to delete list       Not present       16         - MAC-hs queue to delete list       Not present       16         - DCH quality target       Not present       16         Frequency info       Not Present       33dBm       17         CHOICE channel requirement       Uplink DPCH info       16       16         - CHOICE mode       FDD       -6dB       -6dB       17         - PC Preamble       1 frame <t< td=""></t<>
- Added or reconfigured MAC-d flow     - MAC-hs queue to add or reconfigure list     - MAC-d Flow Identity     - T1     - T1     - MAC-hs window size     - MAC-d PDU size Info     - MAC-d PDU size Info     - MAC-d PDU size index     - MAC-hs queue to delete list     - MAC-hs queue to delete list     - DCH quality target     Frequency info     Maximum allowed UL TX power     CHOICE channel requirement     - Uplink DPCH power control info     - CHOICE mode     - DPCCH power offset     - PC Preamble     - SRB delay     - SRB delay     - SRB delay     - MAC-na queue to addet a to the set of
<ul> <li>- MAC-hs queue to add or reconfigure list</li> <li>- MAC-d Flow Identity</li> <li>- T1</li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info</li> <li>- MAC-d PDU size Info</li> <li>- MAC-d PDU size index</li> <li>- MAC-hs queue to delete list</li> <li>- MAC-hs queue to delete list</li> <li>- DCH quality target</li> <li>- Vational requirement</li> <li>- Uplink DPCH power control info</li> <li>- CHOICE mode</li> <li>- DPCCH power offset</li> <li>- DPCCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- SRB delay</li> </ul>
<ul> <li>MAC-hs queue ld</li> <li>MAC-d Flow Identity</li> <li>T1</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size Index</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>MAC-hs queue to delete list</li> <li>DCH quality target</li> <li>Not present</li> <li>Trequency info</li> <li>Mot present</li> <li>Mot present</li> <li>Uplink DPCH power control info</li> <li>CHOICE mode</li> <li>DPCCH power offset</li> <li>DPCCH power offset</li> <li>SRB delay</li> <li>Trequency info</li> <li>Trequence</li> <l< td=""></l<></ul>
<ul> <li>MAC-d Flow Identity</li> <li>T1</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size index</li> <li>MAC-d PDU size index</li> <li>MAC-d PDU size index</li> <li>MAC-d PDU size index</li> <li>MAC-d squeue to delete list</li> <li>MAC-hs queue to delete list</li> <li>DCH quality target</li> <li>Not present</li> <li>DCH quality target</li> <li>Not present</li> <li>Trequency info</li> <li>Maximum allowed UL TX power</li> <li>CHOICE channel requirement</li> <li>Uplink DPCH power control info</li> <li>CHOICE mode</li> <li>DPCCH power offset</li> <li>DCH power offset</li> <li>SRB delay</li> <li>Trames</li> </ul>
- T150- MAC-hs window size16- MAC-d PDU size Info16- MAC-d PDU size index0- MAC-d PDU size index0- MAC-hs queue to delete listNot present- DCH quality targetNot presentFrequency infoNot PresentMaximum allowed UL TX power33dBmCHOICE channel requirementUplink DPCH info- Uplink DPCH power control infoFDD- CHOICE mode-6dB- DPCCH power offset-6dB- SRB delay7 frames
<ul> <li>MAC-hs window size</li> <li>MAC-d PDU size Info</li> <li>MAC-d PDU size</li> <li>MAC-d PDU size</li> <li>MAC-d PDU size index</li> <li>MAC-hs queue to delete list</li> <li>MAC-hs queue to delete list</li> <li>DCH quality target</li> <li>Not present</li> <li>DCH quality target</li> <li>Not Present</li> <li>StadBm</li> <li>CHOICE channel requirement</li> <li>Uplink DPCH power control info</li> <li>CHOICE mode</li> <li>DPCCH power offset</li> <li>OC</li> <li>DPCCH power offset</li> <li>SRB delay</li> <li>Tames</li> </ul>
- MAC-d PDU size Info       -         - MAC-d PDU size       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size index       0         - MAC-hs queue to delete list       0         - DCH quality target       Not present         Frequency info       Not Present         Maximum allowed UL TX power       33dBm         CHOICE channel requirement       Uplink DPCH info         - Uplink DPCH power control info       -         - DPCCH power offset       -6dB         - PC Preamble       1 frame         - SRB delay       7 frames
- MAC-d PDU size       Reference to TS34.121 [2] Annex C Fixed         - MAC-d PDU size index       0         - MAC-hs queue to delete list       0         - DCH quality target       Not present         Frequency info       Not Present         Maximum allowed UL TX power       33dBm         CHOICE channel requirement       Uplink DPCH info         - Uplink DPCH power control info       FDD         - CHOICE mode       FDD         - DPCCH power offset       -6dB         - PC Preamble       1 frame         - SRB delay       7 frames
- MAC-d PDU size index     0       - MAC-hs queue to delete list     0       - DCH quality target     Not present       Frequency info     Not Present       Maximum allowed UL TX power     33dBm       CHOICE channel requirement     Uplink DPCH info       - Uplink DPCH power control info     FDD       - CHOICE mode     FDD       - DPCCH power offset     -6dB       - PC Preamble     1 frame       - SRB delay     7 frames
- MAC-d PDU size index       0         - MAC-hs queue to delete list       Not present         - DCH quality target       Not present         Frequency info       Not Present         Maximum allowed UL TX power       33dBm         CHOICE channel requirement       Uplink DPCH info         - Uplink DPCH power control info       -         - CHOICE mode       FDD         - DPCCH power offset       -6dB         - PC Preamble       1 frame         - SRB delay       7 frames
- MAC-hs queue to delete list       Not present         - DCH quality target       Not present         Frequency info       Not Present         Maximum allowed UL TX power       33dBm         CHOICE channel requirement       Uplink DPCH info         - Uplink DPCH power control info       FDD         - CHOICE mode       -6dB         - PC Preamble       1 frame         - SRB delay       7 frames
- DCH quality target     Not present       Frequency info     Not Present       Maximum allowed UL TX power     33dBm       CHOICE channel requirement     Uplink DPCH info       - Uplink DPCH power control info     FDD       - CHOICE mode     FDD       - DPCCH power offset     -6dB       - PC Preamble     1 frame       - SRB delay     7 frames
Frequency info       Not Present         Maximum allowed UL TX power       33dBm         CHOICE channel requirement       Uplink DPCH info         - Uplink DPCH power control info       FDD         - CHOICE mode       FDD         - DPCCH power offset       -6dB         - PC Preamble       1 frame         - SRB delay       7 frames
Maximum allowed UL TX power33dBmCHOICE channel requirementUplink DPCH info- Uplink DPCH power control infoFDD- CHOICE modeFDD- DPCCH power offset-6dB- PC Preamble1 frame- SRB delay7 frames
CHOICE channel requirementUplink DPCH info- Uplink DPCH power control infoFDD- CHOICE modeFDD- DPCCH power offset-6dB- PC Preamble1 frame- SRB delay7 frames
- Uplink DPCH power control info     -       - CHOICE mode     FDD       - DPCCH power offset     -6dB       - PC Preamble     1 frame       - SRB delay     7 frames
- CHOICE mode     FDD       - DPCCH power offset     -6dB       - PC Preamble     1 frame       - SRB delay     7 frames
- DPCCH power offset       -6dB         - PC Preamble       1 frame         - SRB delay       7 frames
- PC Preamble     1 frame       - SRB delay     7 frames
- SRB delay 7 frames
- Power Control Algorithm Algorithm1
- TPC step size 1dB
- Δ <sub>ACK</sub> 3 REL-5
- Δ <sub>NACK</sub> 3 REL-5
- Ack-Nack repetition factor 1 REL-5
- CHOICE mode FDD
- Scrambling code type Long
- Scrambling code number 0 (0 to 16777215)
- Number of DPDCH Not Present (1)
- spreading factor Reference to TS34.108 clause 6.10.2.4 Parameter
Set
- IFUI existence IRUE
- Number of FBI bit Not Present(0)
- Downlink DDSCH information
- Downlink i Door I illioniation         Not Flesent           Downlink information common for all radio linke         Intervention
- Downlink DPCH info common for all PI
- Timing indicator Maintain
- CEN-targetSEN frame offset
- Downlink DPCH power control information
- CHOICE mode
- DPC mode 0 (single)
- CHOICE mode
- Power offset Peilot-Depich
- 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

Information Element	Value/remark	Version
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter	
	Set	
- CHOICE mode	FDD	
<ul> <li>DPCH compressed mode info</li> </ul>	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Not Present	
Downlink HS-PDSCH Information		
- HS-SCCH Info		
- CHOICE mode	FDD	
- DL Scrambling Code		
- HS-SCCH Channelisation Code Information		
- HS-SCCH Channelisation Code	2	
- HS-SUCH Channelisation Code	3	
- HS-SUCH Channelisation Code	0	
- HS-SUCH Channelisation Code	1	
	EDD	
	FDD 6 dB	Pol-5
- COI Feedback cycle, k	2 ms	Rel-5
- CQL repetition factor	1	Rel-5
	5 (corresponds to 0dB in relative power offset)	Rel-5
- CHOICE mode	EDD (no data)	
Downlink information per radio link list		
- Downlink information for each radio link		
- 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	
<ul> <li>Serving HS-DSCH radio link indicator</li> </ul>	TRUE	REL-5
<ul> <li>Downlink DPCH info for each RL</li> </ul>		
- CHOICE mode	FDD	
<ul> <li>Primary CPICH usage for channel estimation</li> </ul>	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	
- DL channelisation code		
- Secondary scrambling code	Not present	
- Spreading factor	256	
- Code number	192 Na sharar	
- Scrampling code change	No change	
- TPC combination index		
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	
- SUCPUH Information for FACH	NOT Present	

## 3GPP TSG T1 Meeting #26 Bangalore, 31<sup>th</sup> January – 4<sup>th</sup> February 2005

			СН	ANGE	REQ	UE	ST				CR-Form-v7
æ	34	<mark>.108</mark>	CR <sup>391</sup>		ж <mark>rev</mark>	-	¥	Current v	ersion:	5.3.0	<b>)</b>
For <u>HELP</u> or	n using	this form	n, see bott	om of this	page or	look	at the	e pop-up t	ext ove	er the <mark></mark> \$ sy	/mbols.
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Work item code:	ж <mark>ТЕ</mark>	1						Date	: <mark>೫ 2</mark> 4	4/01/05	
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Reason for chan	ige: Ж	The me to clau	essage cor se 10.2.30	itent of RA of TS 25.3	ADIO BE 331	AREI	R RE	LEASE (F	DD) is	incorrect	according
Summary of cha	nge: <mark></mark> Ж	In the r include	message c ed and the	ontent of F default val	RADIO E ue of th	BEAR is IE i	ER R s set	RELEASE as "Not P	(FDD), resent"	IE "New	H-RNTI" is
Consequences i not approved:	f <sup>#</sup>	It is un RNTI"	<mark>clear what</mark> in RADIO E	default va BEARER F	lue a tes RELEAS	st imp SE (FD	<mark>leme</mark> DD) n	ntation sh nessage.	ould us	se for IE "	New H-
Clauses affected	<b>:</b> #	9.1.1									
Other specs affected:	ж	YN X X X	Other core Test speci O&M Spec	specificat fications fications	tions	æ					

Other comments:

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How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>.

- Below is a brief summary:
- 1) Fill out the above form. The symbols above marked 🔀 contain pop-up help information about the field that they are closest to.
- 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

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downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

## 9.1.1 Default RRC Message Contents (FDD)

. . . .

### Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark	Version
Message Type	A1, A2, A3,		
	A4, A5, A6,		
	A7, A8		
	, A9, A10		REL-5
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	
- RRC message sequence number		SS provides the value of this IE, from	
Integrity protection made info		Not Propert	
Ciphering mode info		Not Present	
Activation time	Δ1 Δ2 Δ3	(256+CEN)/(CEN) MOD 8 + 8))MOD 256	
	A7 A8		
	. A9. A10		REL-5
Activation time	A4. A5. A6	Not Present	
New U-RNTI	,,	Not Present	
New C-RNTI	A1,A2,A3,	Not Present	
	A4		
	, A9		REL-5
New C-RNTI	A5, A6, A7,	'1010 1010 1010 1010'	
	A8	-	
	, A10	Not Descent	REL-5
New DSCH-RNTI	A1, A2, A3,	Not Present	
	Δ7 Δ8		
	A9 A10		REL-5
	, , , , , , , , , , , , , , , , , , , ,		
<u>New H-RNTI</u>	<u>A1, A2, A3,</u>	Not Present	
	<u>A4, A5, A6,</u>		
	A7, A0		PEL-5
	<u>, A3, A10,</u>		ILL-5
RRC State indicator	A1,A2, A3,	CELL_DCH	
	A4		
	, A9		REL-5
RRC State indicator	A5, A6, A7,	CELL_FACH	
	A10		REL-5
LITRAN DRX cycle length coefficient		Not Present	
	A4 A5 A6	Not resent	
	A7. A8		
	, A9, A10		REL-5
CNI information info		Net Present	
Cin information info		Not Present	
		Not Present	
RAB information to reconfigure list		Not Present	
RB information to release	A1.A2. A7.		
	A8		
- RB identity		10	
RB information to release	A2, A8		
- RB identity		11	
RB information to release	A2, A8		
- RB identity	AO A 1 A 5	12	
KB information to release	A3, A4, A5,		

Information Element		Value/remark	Version
PP identity	A6	30	
- RD Identity RB information to release	A9 A10	20	REL-5
- RB identity	710,7110	23	1122 0
RB information to be affected	A1,A2,	Not Present	
	A3,A4,A5,		
	. A9. A10		REL-5
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Downlink counter synchronisation info	A1,A2,A3,	Not Present	
	A4,A5,A6,		
	A7, A8		REL-5
LIL Transport shannel information for all		TECS reconfigured to fit the new	
transport channels	A1, A2, A3, A4 A5 A6	transport channel configuration	
	A7, A8		
	, A9, A10		REL-5
Deleted UL TrCH Information	A1,A2, A3,		-
	A4, A5, A6,		
	A7, A8		
	, A9, A10		REL-5
- Uplink transport channel type		DCH	
Deleted UI_TrCH Information	A2 A8		
- Uplink transport channel type	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DCH	
- Transport channel identity		2	_
Deleted UL TrCH Information	A2, A8	DCH	
- Transport channel identity		3	
Added or Reconfigured UL TrCH information	A5, A6, A7,	Not Present	
	A8	-	
Added or Reconfigured LIL TrCH information	, Α10 Δ1 Δ2 Δ3		REL-5
	A4		
	, A9		REL-5
Uplink transport channel type		DCH	
- OE Transport channel identity - TFS		5	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		According to 1S34.108 clause	
		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	
- 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	
- 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	
		signalling radio bearer)	
- Coding Rate		According to TS34.108 clause	1
		6.10.2.4.1.3 (standalone 13.6 kbps	
- Rate matching attribute		signalling radio bearer)	+
		6.10.2.4.1.3 (standalone 13.6 kbps	
		signalling radio bearer)	

Information Element		Value/remark	Version
- 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	A1, A2, A3,	TFCS reconfigured to fit the new	
transport channels	A4, A5, A6,	transport channel configuration.	
	Δ9 Δ10		REL-5
	, 710, 7110		
Deleted DL TrCH Information	A1, A2, A3,		
	A4, A5,		
	A6, A7, A8		
	, A9		NEL-5
- Downlink transport channel type		рсн	
- 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		
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- Transport channel identity		8	
Deleted DL TrCH Information	A9, A10		REL-5
- Downlink transport channel type			
Added or Reconfigured DL TrCH information	A5 A6 A7	Not Present	
Added of Neconinguled DE Tron information	A8, A0, A7,	NorTresent	
	, A10	•	REL-5
Added or Reconfigured DL TrCH information	A1, A2, A3,	1 TrCHs(DCH for DCCH)	
	A4		
	, A9		REL-5
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type			
- UL IrCH Identity		5	
- DCH quality target		Not Procent	
Frequency info	Δ1 Δ2 Δ3	Not resent	
	A4.A5. A7.		
	A8		
	, A9, A10		REL-5
- LIARECN 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,	Not Present	
	A8		
	, A10		REL-5
	A1,A2,A3,		
	Δ9		REL-5
- Uplink DPCH power control info	, 7.0		
- DPCCH power offset		-80dB (i.e. ASN.1 IE value of -40)	
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
- <u>А</u> аск		Not Present	REL-5
$-\Delta_{NACK}$		Not Present	KEL-5
- ACK-INACK REPETITION TACTOR			KEL-5
- IFC Step SIZE - Scrambling code type			
- Scrambling code number		0 (0 to 16777215)	
- Number of DPDCH		Not Present(1)	
- spreading factor		Reference to TS34.108 clause 6.10	

Information Element		Value/remark	Version
		Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Number of FBI bit		Reference to TS34.108 clause 6.10	
Dupoturing Limit		Parameter Set	
		Parameter Set	
CHOICE Mode	A1.A2.A3.	FDD	
	A4,A5,A6,		
	A7, A8		
	, A9, A10		REL-5
- Downlink PDSCH information		Not Present	
Downlink HS-PDSCH Information	A1, A2, A3,	Not Present	REL-5
	A4, A5, A6,		
	A7, A8, A9,		
Downlink information common for all radio links	A10	Not Proport	
	A5, A6, A7 A8	Not Flesent	
	. A10	-	REL-5
Downlink information common for all radio links	A1,A2, A3		
	, A9		REL-5
- Downlink DPCH info common for all RL			
- Timing indicator		Maintain	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset P <sub>Pilot-DPDCH</sub>		0	
<ul> <li>DL rate matching restriction information</li> </ul>		Not Present	
- Spreading factor		Reference to TS34.108 clause 6.10	
Fixed or Elevible Desition		Parameter Set	
		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 into		Not Present	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
- MAC-hs reset indicator		Not Present	REL-5
Downlink information common for all radio links	A4		
- Downlink DPCH info common for all RL			
- Timing Indicator		Initialise Not Present	
- Downlink DPCH power control		Not Flesent	
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset P <sub>Pilot-DPDCH</sub>		0 Not Descent	
- DL rate matching restriction information		Not Present 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	
		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	
	1		

Information Element		Value/remark	Version
- MAC-hs reset indicator		Not Present	REL-5
Downlink information for each radio link list	A1,A2,A3		
Downlink information for each radio link	, A9		REL-D
- 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	
<ul> <li>PDSCH code mapping</li> </ul>		Not Present	
<ul> <li>Serving HS-DSCH radio link indicator</li> </ul>		FALSE	REL-5
- Downlink DPCH info for each RL			
- Primary CPICH usage for channel		Primary CPICH may be used	
estimation		Set to value Default DBCH Offect Value	
- DF CITITAINE Oliset		(as currently stored in SS) mod 38400	
- Secondary CPICH info		Not Present	
- Secondary scrambling code			
- channelisation code			
- DL channelisation code			
<ul> <li>Secondary scrambling code</li> </ul>		3	
- Spreading factor		Reference to TS34.108 clause 6.10	
Cada averbar		Parameter Set	
- Code number		U No chango	
- TPC combination index			
- 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		Bof to the Default acting in TS24 109	
- Frimary scrambling code		clause 6.1 (EDD)	
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link indicator		FALSE	REL-5
- Downlink DPCH info for each RL			
<ul> <li>Primary CPICH usage for channel</li> </ul>		Primary CPICH may be used	
estimation			
- DPCH frame offset		Set to value : Default DPCH Offset	
Secondary CRICH info		Value mod 38400	
- Secondary scrambling code		Not Flesent	
- channelisation code			
- DL channelisation code			
<ul> <li>Secondary scrambling code</li> </ul>		3	
<ul> <li>Spreading factor</li> </ul>		Reference to TS34.108 clause 6.10	
		Parameter Set	
- Code number		U Na shanga	
- Scrambling code change			
- 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	
DDSCH with SHO DCH info		Clause 6.1 (FDD)	
- PDSCH with SHO DOH IIII0 - PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link indicator		FALSE	REL-5
- Downlink DPCH info for each RL		Not present	
- SCCPCH information for FACH		Not Present	
- Downlink information for each radio link	A6, A10	Not Present	

Condition	Explanation	Version
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"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH using three	REL-5
	multiplexing options", or when not stated otherwise, for "Packet to CELL_DCH	
	from CELL_DCH / HS-DSCH in PS"	
A10	This IE is needed for "Packet to CELL_DCH / HS-DSCH using one	REL-5
	multiplexing option", or when not stated otherwise, for "Packet to CELL_FACH	
	from CELL_DCH / HS-DSCH in PS"	

	CR-Form-v7		
CHANGE REQUEST			
æ	<b>34.108</b> CR <sup>393</sup> <b># rev</b> - <sup># Current version: <b>5.3.0</b> <sup>#</sup></sup>		
For <mark>HELP</mark> on L	ising this form, see bottom of this page or look at the pop-up text over the $lpha$ symbols.		
Proposed change	affects: UICC apps # ME X Radio Access Network Core Network		
Title: ೫	CR to 34.108 Rel-5: Update to the contents of RRC CONNECTION REQUEST message for TDD		
Source:	InterDigital Communications Corporation		
Work item code: #	TEI Date: # 31/1/2005		
Category: 🔀	FRelease: #Rel-5Use one of the following categories:Use one of the following releases:F (correction)2A (corresponds to a correction in an earlier release)R96B (addition of feature),R97C (functional modification of feature)R98D (editorial modification)R99D (editorial modification)R99D tetailed explanations of the above categories canRel-4be found in 3GPP TR 21.900.Rel-5Rel-6(Release 6)		
Reason for change	e: 8 1. There are no RRC CONNECTION SETUP message: UM (Transition to CELL_FACH) (3.84 Mcps TDD).		
Summary of chang	ge: 8 1. To add the contents of SETUP message: UM (Transition to CELL_FACH) (3.84 Mcps TDD).		
Consequences if not approved:	Herein   Herein     Herein   The test case will not execute correctly for TDD.		
Clauses affected:	<b>#</b> 9.1.2		
Other specs affected:	Y       N         X       Other core specifications         X       Test specifications         O&M Specifications		

Other comments:	ж	The CR is only connected with TDD test cases.	

#### Insert this change in Clause 9.1.2 below:

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

... (full content of table)

### Contents of RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH) (3.84 Mcps TDD)

Information Element	Value/remark	<b>Version</b>
Message Type		
Initial UE identity	Select the same identity as in the IE "Initial	
	UE Identity" in received RRC CONNECTION	
PBC transaction identifier	<u>REQUES1<sup>®</sup> message</u>	
	Arbitrarily selects an integer between 0 and 5	
New U-RNTI	<u>Not i resent(NOW)</u>	
- 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	<u>9, Integer(39)</u>	
Capability update requirement		
- UE radio access - 3.84 Mons TDD capability update	FALSE	
requirement		
- UE radio access 1.28 Mcps TDD capability update	TRUE	
requirement		
- System specific capability update requirement list	<u>GSM</u>	
CHOICE specification mode	Complete specification	<u>REL-5</u>
- Complete specification		<u>REL-5</u>
<ul> <li>Signalling RB information to setup list</li> </ul>		
<ul> <li>Signalling RB information to setup</li> </ul>	(UM DCCH for RRC)	
- RB identity	$\frac{1}{2}$	
- CHOICE RLC Info type	RLC Info	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
<ul> <li>RLC logical channel mapping indicator</li> </ul>	Not Present	
- Number of RLC logical channels		
- UII Transport channel identity		
- Logical channel identity	<u>∽</u>   1	
- CHOICE RLC size list	Ċonfigure	
- MAC logical channel priority	<u>1</u>	
<ul> <li>Downlink RLC logical channel info</li> </ul>		
- Number of RLC logical channels	$\frac{1}{2}$	
- Downlink transport channel type	DCH	
- DL DCH Hansport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	<u>1</u>	
<ul> <li>RLC logical channel mapping indicator</li> </ul>	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	1	
- CHOICE RI C size list	L Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter	
	Set	
<ul> <li>MAC logical channel priority</li> </ul>	1	
<ul> <li>Downlink RLC logical channel info</li> </ul>		
- Number of RLC logical channels		
DOWNIINK transport channel type	<u>FAUH</u> Not Brocont	
- DL DUEL Hansport channel identity	Not Present	
	<u>not rodon</u>	I

Information Element	Value/remark	<b>Version</b>
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	1	
- Signalling RB information to setup	(AM DCCH for RRC)	
- CHOICE RLC Info type	RLC Info	
- CHOICE Uplink RLC mode	AMRLC	
<ul> <li>Transmission RLC discard</li> </ul>		
- CHOICE SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	32	
- Timer RST	500	
- Max RST	1	
Relling info	÷	
	200	
	200	
- limer_poll	200	
	Not present	
- Poll_SDU	1	
<ul> <li>Last transmission PDU poll</li> </ul>	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll Window	99	
- Timer poll periodic	Not Present	
<u>CHOICE Downlink BLC mode</u>	AMPLO	
<u> </u>	IRUE	
- Receiving window size	<u>32</u>	
<ul> <li><u>Downlink RLC status info</u></li> </ul>		
- Timer status prohibit	<u>200</u>	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer STATUS periodic	Not Present	
- RB manning info		
Information for each multiplexing ention	2 PRMuxOptions	
- Information for each multiplexing option	2 KDIVIUXOPIIONS	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	$\frac{1}{2}$	
<ul> <li>Uplink transport channel type</li> </ul>	DCH	
<ul> <li>UL Transport channel identity</li> </ul>	<u>5</u>	
<ul> <li>Logical channel identity</li> </ul>	2	
- CHOICE RLC size list	Configure	
- MAC logical channel priority	2	
- Downlink RLC logical channel info	-	
- Number of PLC logical channels	1	
<u>- Downlink transport channel type</u>	DCH	
- DL DCH Transport channel identity		
- Transport channel identity	<u>10</u>	
<ul> <li>DL DSCH Transport channel identity</li> </ul>	Not Present	
<ul> <li>DL HS-DSCH MAC-d flow identity</li> </ul>	Not Present	
- Logical channel identity	2	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- III Transport channel identity	Not Present	
	2	
	<u>∠</u> Evolicit Lict	
- CHOICE RLC SIZE list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter	
	Set	
<ul> <li>MAC logical channel priority</li> </ul>	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	
	Not Procent	
- Signalling RB information to setup	(ANI DCCH for NAS_D1 High priority)	
- RB identity	3	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
	1	

Information Element	Value/remark	Version
- CHOICE SDU discard mode	No Discard	
- MAX DAT	15	
- Transmission window size	32	
Timor DST	500	
	<u>500</u>	
	1	
- Polling info		
<u> </u>	<u>200</u>	
- Timer_poll	200	
- Poll SDU	1	
- Last transmission PDI Looll	TRUE	
Last retransmission DDU nell		
- Poll_Window	99	
- Timer_poll_periodic	Not Present	
<ul> <li>CHOICE Downlink RLC mode</li> </ul>	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	32	
- Downlink RLC status info		
Timor, status, prohibit	200	
- IImer_EPC	NOT Present	
- Missing PDU indicator	IRUE	
- 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	
- Opink transport channel type		
- UL Transport channel identity	5	
<ul> <li>Logical channel identity</li> </ul>	<u>3</u>	
- CHOICE RLC size list	<u>Configure</u>	
<ul> <li>MAC logical channel priority</li> </ul>	3	
- Downlink RLC logical channel info	-	
- Number of RI C logical channels	1	
Downlink transport channel type		
- Downlink transport channel type		
- DL DCH Transport channel identity	10	
- I ransport channel identity	<u>10</u>	
<ul> <li>DL DSCH Transport channel identity</li> </ul>	Not Present	
<ul> <li>DL HS-DSCH MAC-d flow identity</li> </ul>	Not Present	
- Logical channel identity	3	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
Liplink transport channel type		
- Opinik transport channel type		
- UL Transport channel identity	Not Present	
- Logical channel identity	<u></u>	
- CHOICE RLC size list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter	
	Set	
- MAC logical channel priority	3	
- Downlink RI C logical channel info	-	
- Number of PLC logical channels	1	
- Downlink transport channel type		
- 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	4	
- CHOICE RLC info type	RI C info	
- CHOICE Unlink PLC mode	AMPLC	
- I ransmission RLC discard		
- CHOICE SDU discard mode	No discard	
- MAX_DAT	<u>15</u>	
- Transmission window size	32	
- Timer RST	500	
- Max RST	1	
- Polling info	÷	
Timer pell probibit	200	
		l

Information Element	Value/remark	Version
- Timer_poll	200	
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
<ul> <li>Last retransmission PDU poll</li> </ul>	TRUE	
- Poll_Window	<u>99</u>	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
<ul> <li>In-sequence delivery</li> </ul>	TRUE	
<ul> <li>Receiving window size</li> </ul>	<u>32</u>	
<ul> <li>Downlink RLC status info</li> </ul>		
- Timer_status_prohibit	<u>200</u>	
- 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		
- UL Transport channel identity		
	t Configure	
- UTUILE KLU SIZE IISI - MAC logical channel priority		
- Downlink RLC logical channel info	7	
- Number of RLC logical channels	1	
- Downlink transport channel type	, рсн	
- DL DCH Transport channel identity		
- Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- DL HS-DSCH MAC-d flow 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	
<ul> <li>MAC logical channel priority</li> </ul>	<u>4</u>	
<ul> <li>Downlink RLC logical channel info</li> </ul>		
- 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	
- UL Transport channel information for all transport		
Channels DBACH TECC	Net Present	
CHOICE mode	TOD	
	1	
- Shared Channel Indicator		
	TALOE	
	Normal	
- TECL Field 1 Information	<u>inormal</u>	
- CHOICE TECS representation	Complete reconfiguration	
- TECS complete reconfiguration	<u>complete reconfiguration</u>	
information		
- CHOICE CTFC Size	Configured, Number of bits used must be	
	enough to cover all combinations of CTFC	
	from TS34.108 clause 6.10.3.4 Parameter	
	Set.	
••	•	1

Information Element	Value/remark	Version
- CTFC information	This IE is repeated for TFC numbers and	
	reference to TS34.108 clause 6.10.3.4	
	Parameter Set	
<u> </u>	Reference to TS34.108 clause 6.10.3.4	
Dower offect Information	Parameter Set	
	Computed Gain Factors (The last TEC is set	
	to Signalled Gain Factors)	
- Reference TFC ID	1000000000000000000000000000000000000	
	<u></u>	
- CHOICE mode		
- IFC subset	Not present Default value is the complete	
	existing set of transport format combinations	
- TFC subset list	Not present	
- Added or Reconfigured UL TrCH information list		
<ul> <li>Added or Reconfigured UL TrCH information</li> </ul>		
<ul> <li>Uplink transport channel type</li> </ul>	DCH	
<u>- UL Transport channel identity</u>	<u>5</u>	
- IFS CHOICE Transport shapped type	Dedicated transport channels	
- Dynamic Transport format information	Dedicated transport channels	
- 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)	
- Transmission Time Interval	According to TS34.108 clause 6 for	
	standalone 13.6 kbps signalling radio bearer	
- Number of Transport blocks	Reference to TS34.108 clause 6.10	
	Parameter Set	
<u>- CHOICE Logical channel list</u>		
- 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 1534.108 clause 6.10	
- CRC size	Reference to TS34 108 clause 6 10	
	Parameter Set	
- DL Transport channel information common for all		
transport channel		
<u>- SCCPCH TFCS</u>	Not Present	
<u>- CHOICE mode</u>	TDD	
-Individual DL CCTrCH information		
- TECS ID	1	
- Shared Channel Indicator	FALSE	
- CHOICE DL parameters	Same as UL	
- UL DCH TFCS Identity	1	
- Shared Channel Indicator	FALSE	
- Added or Reconfigured TrCH information list		
- Added or Reconfigured DL TrCH Information	DCH	
- DUMINING CANSPORT Channel identity		
- CHOICE DL parameters	Same as UL	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
-DCH quality target		
- BLER Quality target	<u>-6.3</u>	
Frequency Into	Not Present	l

Information Element	Value/remark	<u>Version</u>
Maximum allowed UL TX power	Not Present Default value is the existing	
	maximum UL TX power	
CHOICE channel requirement	Not present	
Downlink information common for all radio links	Not present	
Downlink information for each radio link list	Not present	

CHANGE REQUEST				
æ	34.108 CR <sup>394</sup> <b>* rev -</b>	Current version: 5.3.0		
For <mark>HELP</mark> or	using this form, see bottom of this page or look at	t the pop-up text over the $\frac{3}{8}$ symbols.		
Proposed change affects: UICC apps <b>#</b> ME <b>X</b> Radio Access Network Core Network				
Title:	CR to 34.108 Rel-5: Update to the contents of Messages for TDD	Default System Information Block		
Source:	* InterDigital Communications Corporation			
Work item code:	HCR TDD	Date: 🔀 31/1/2005		
Category:	<ul> <li>F</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier rele</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use one 2of the following releases: 22(GSM Phase 2)ease)R96R97(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:	<ol> <li>Update to the contents of Default System Information Block Messages to support both FDD and TDD</li> </ol>
Summary of change	<ul> <li>Change Conditions A1 and A2 from FDD to UTRAN to reflect both TDD and FDD.</li> </ul>
Consequences if not approved:	Image: Source of the secure correctly for TDD.
Clauses affected:	₩ 6.1.0b
Other specs affected:	Y       N         #       Other core specifications       #         Test specifications       #         O&M Specifications       #

Other comments:	Ж	The CR is only connected with TDD test cases.

# 6.1.0b Default System Information Block Messages

Contents of System Information Block type 1 (supported PLMN type is GSM-MAP)

- CN common GSM-MAP NAS system information	A1	
- GSM-MAP NAS system information		00 01H
- CN domain system information		
- CN domain identity		PS
- CHOICE CN Type		GSM-MAP
<ul> <li>CN domain specific NAS system information</li> </ul>		
- GSM-MAP NAS system information		05 00H
- CN domain specific DRX cycle length coefficient		7
- CN domain identity		CS
- CHOICE CN Type		GSM-MAP
<ul> <li>CN domain specific NAS system information</li> </ul>		
- GSM-MAP NAS system information		1E 01H
- CN domain specific DRX cycle length coefficient		7
- CN common GSM-MAP NAS system information	A2	
- GSM-MAP NAS system information		00 80H, Note 1
<ul> <li>CN domain system information</li> </ul>		
- CN domain identity		PS
- CHOICE CN Type		GSM-MAP
<ul> <li>CN domain specific NAS system information</li> </ul>		
- GSM-MAP NAS system information		00 00H, Note 1
- CN domain specific DRX cycle length coefficient		7
- CN domain identity		CS
- CHOICE CN Type		GSM-MAP
<ul> <li>CN domain specific NAS system information</li> </ul>		
<ul> <li>GSM-MAP NAS system information</li> </ul>		1E 01H
- CN domain specific DRX cycle length coefficient		7
- UE Timers and constants in idle mode	A1, A2	
-T300		4000 milliseconds
-N300		
-T312		10 seconds
- N312		1
- UE Timers and constants in connected mode		
- 1301		Not Present (2000 milliseconds: default value)
- N301		Not Present (2: default value)
- 1302		Not Present (4000 milliseconds: default value)
- N302		Not Present (3: default value)
- 1304		Not Present (2000 milliseconds: default value)
- N304		Not Present (2: default value)
- 1305		Not Present (30 minutes: default value)
- 1307		Not Present (30 seconds: default value)
- 1308		Not Present (160 milliseconds: default value)
- 1309		Not Present (5 Seconds: default value)
- 1310		Not Present (160 milliseconds: default value)
- N310 T211		Not Present (4: default value)
- 1311 T212		Not Present (2000 milliseconds: default value)
- 1312 N212		Not Present (1: default value)
- T212		Not Present (3 seconds: default value)
- 1313 N212		Not Present (3) default value)
- T31/		Not Present (12 seconde: default value)
- T315		Not Present (12 seconde: default value)
- N315		Not Present (1: default value)
- T316		Not Present (30 seconde: default value)
- T317		Not Present (180 seconds: default value)
Note1 For Inter-PAT test asses GEPAN and LITPA		a different LAC and RAC
TUTILEI-RATIESI CASES GERAN AND UTRA	N CEIIS US	E UNETETIL LAG ANU NAG

Condition	Explanation			
A1	FDD-UTRAN cell environment			
A2	FDDUTRAN/GSM inter-RAT cell environment			

3GPP TSG-T1		Tdoc жT1-050297							
Bangalore, India, Jan 31 <sup>°°</sup> – Feb 4 <sup>°°</sup> 2005 CHANGE REQUEST									
æ	34.108	CR <sup>395</sup>	жrev	<b>_</b>	Current version	on: <b>5.3.0</b>	æ		
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the $\frac{2}{3}$ symbols.									
Proposed change affects: UICC apps <sup>38</sup> ME X Radio Access Network Core Network									
Title:	₭ CR to 34.	108 Rel-5: Add t	he contents o	f SIB 5 &	6 for HCR TDI	)			
Source: InterDigital Communications Corporation									
Work item code:	fe TEI				Date: 🕱	31/1/2005			
Category:	Category:       F       Release:       Rel-5         Use one of the following categories:       Use one of the following releases:       F         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       Rel-4       (Release 4)         be found in 3GPP TR 21.900.       Rel-5       (Release 5)         Rel-6       (Release 6)						eases:		
Reason for change: X 1. There are no SIB 5 & 6 information for 3.84 Mcps TDDin clause 6.1.1.									
Summary of change: 1. To add the contents of SIB 5 & 6 for 3.84 Mcps TDD to clause 6.1.1.									
Consequences if not approved:	<b>X</b> The	test cases will no	ot execute cor	rectly for	HCR TDD.				
Clauses affected:	<sup>.</sup> <mark>ສ 6.1.1</mark>								
Other specs affected:	Y         N           #         -           -         -           -         -	Other core spe Test specificati O&M Specifica	cifications ons tions	<b>H</b>					
Other comments:	۳ <mark>Ж The</mark>	CR is only conne	ected with HC	R TDD te	st cases.				

Contents of System Information Block type 5 (FDD)					
- SIB6 indicator	TRUE				
- PICH Power offset	-5 dB				
- CHOICE Mode	FDD				
- AICH Power offset	-5 dB				
- Primary CCPCH info	Not Present				
- PRACH system information list					
- PRACH system information					
- PRACH info					
- CHOICE mode	FDD				
- Available Signature	'0000 0000 1111 1111'B				
- Available SF	64				
- Preamble scrambling code number	0				
- Puncturing Limit	1.00				
- Available Sub Channel number	'1111 1111 1111'B				
- Transport Channel Identity	15				
- BACH TES					
- CHOICE Transport channel type	Common transport channels				
- Dynamic Transport format information					
- RI C size	168				
- Number of TB and TTI List					
- Number of Transport blocks	1				
	Configured				
- NLC SIZE	500				
- Number of Transport blocks	1				
- CHOICE Mode	FDD Configured				
- CHOICE Logical Channel List	Conligured				
- Semi-static transport Format information	20 mg				
- Transmission time interval	20 ms				
- Type of channel coding	Convolutional				
- Coding Rate	1/2				
- Rate matching attribute	150				
- CRC size	16				
- RACH IFCS					
- CHOICE TFCI signalling	Normal				
- IFCI Field 1 information					
- CHOICE TFCS representation	Complete reconfiguration				
- TFCS complete reconfiguration information					
- CHOICE CTFC Size	2 bit				
- CTFC information	0				
- Power offset information					
- CHOICE Gain Factors	Computed Gain Factor				
- Reterence TFC ID	0				
- CHOICE Mode	FDD				
- Power offset Pp-m	0 dB				
- CTFC information	1				
- Power offset information					
- CHOICE Gain Factors	Signalled Gain Factor				
- CHOICE mode	FDD				
- Gain factor ßc	11				
- Gain factor ßd	15				
- Reference TFC ID	0				
- CHOICE Mode	FDD				
- Power offset Pp-m	0 dB				
- PRACH partitioning					
- Access Service Class					
- ASC Setting	Not Present				
- ASC Setting					
- CHOICE mode	FDD				
- Available signature Start Index	0 (ASC#1)				
- Available signature End Index	7 (ASC#1)				
--	---				
- Assigned Sub-Channel Number	'1111'B				
	The first/ leftmost bit of the bit string contains the most				
	significant bit of the Assigned Sub-Channel Number.				
- ASC Setting	Not Present				
- ASC Setting					
- CHOICE mode					
- Available signature Start Index	0 (ASC#3) 7 (ASC#3)				
- Assigned Sub-Channel Number	'1111'B				
	The first/ leftmost bit of the bit string contains the most				
	significant bit of the Assigned Sub-Channel Number.				
- ASC Setting	Not Present				
- ASC Setting					
- CHOICE mode	FDD				
- Available signature Start Index	0 (ASC#5)				
- Available Signature End Index	7 (ASC#5)				
- Assigned Sub-Charmer Number	The first/leftmost bit of the bit string contains the most				
	significant bit of the Assigned Sub-Channel Number.				
- ASC Setting	Not Present				
- ASC Setting					
- CHOICE mode	FDD				
- Available signature Start Index	0 (ASC#7)				
- Available signature End Index	7 (ASC#7)				
- Assigned Sub-Channel Number	The first/leftmost hit of the hit string contains the most				
	significant bit of the Assigned Sub-Channel Number.				
- Persistence scaling factor					
- Persistence scaling factor	0.9 (for ASC#2)				
<ul> <li>Persistence scaling factor</li> </ul>	0.9 (for ASC#3)				
- Persistence scaling factor	0.9 (for ASC#4)				
- Persistence scaling factor	0.9 (for ASC#5)				
- Persistence scaling factor	0.9 (for ASC#6)				
- AC-to-ASC mapping table					
- AC-to-ASC mapping	6 (AC0-9)				
- AC-to-ASC mapping	5 (AC10)				
- AC-to-ASC mapping	4 (AC11)				
- AC-to-ASC mapping	3 (AC12)				
- AC-to-ASC mapping	2 (AC13)				
- AC-to-ASC mapping	1 (AC14)				
- CHOICE mode	FDD				
- Primary CPICH TX power	31				
- Constant value	-10				
- PRACH power offset					
- Power Ramp Step	3dB				
- Preamble Retrans Max	4				
- Mmax	2				
- NB01min	3 slot				
- NB01max	10 slot				
- AICH info					
- Channelisation code	3				
- STTD indicator	FALSE				
- AICH transmission timing					
- Secondary CCPCH system information	(FUI 2 SUUPURS) (SCCPCH for standalone PCH)				
- CHOICE mode					
- Secondary scrambling code	Not Present				
- STTD indicator	FALSE				

Concedia e fester	400
- Spreading factor	128
- Code number Bilot avmhal aviatanaa	
	FALSE
- IFCI existence Fixed or Elevible position	FALSE
- Fixed of Flexible position	20
	50
- CHOICE TECI signalling	Normal
- TECL Field 1 information	Norman
- CHOICE TECS representation	Complete reconfiguration
- TECS complete reconfiguration information	
- CHOICE CTEC Size	2 bit
- CTFC information	
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
<ul> <li>CHOICE Transport channel type</li> </ul>	Common transport channels
<ul> <li>Dynamic Transport format information</li> </ul>	
- RLC Size	240
<ul> <li>Number of TB and TTI List</li> </ul>	
<ul> <li>Number of Transport blocks</li> </ul>	0
<ul> <li>Number of Transport blocks</li> </ul>	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Cooling Rate	1/2
- URU SIZE Transport Channel Identity	12 (for DCH)
- CTCH indicator	
- PICH info	TALSE
- CHOICE mode	FDD
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- CHOICE mode	FDD
<ul> <li>Secondary scrambling code</li> </ul>	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
<ul> <li>Pilot symbol existence</li> </ul>	FALSE
- TFCI existence	
	TRUE (default value)
- Fixed or Flexible position	
<b>T</b> : <i>(1 )</i>	Flexible (default value)
- Timing offset	Not Present
TECO	Absence of this IE is equivalent to default value u
	Normal
- TECL Field 1 information	Normai
- CHOICE TECS representation	Complete reconfiguration
- TECS complete reconfiguration information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present

- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
<ul> <li>Power offset information</li> </ul>	Not Present
- CTFC information	4
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RI C Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
<ul> <li>Number of Transport blocks</li> </ul>	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
<ul> <li>Transmission time interval</li> </ul>	10 ms
<ul> <li>Type of channel coding</li> </ul>	Turbo
<ul> <li>Rate matching attribute</li> </ul>	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 5 (3.84 Mcps TDD)

<FFS>

- SIB6 indicator	FALSE
- <u>open loop power control</u>	
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
Drimony CCDCH Ty Dowor	20 dbm
- CHOICE IDD option	3.84 Mcps IDD /REL-4/
- Alpha	(1/8)
- PRACH Constant Value	-10
- DPCH Constant Value	-10
DI COl Constant Value	<u>-10</u> <u>10</u>
- PUSCH Constant value	<u>-10</u>
<ul> <li>UE positioning related parameters</li> </ul>	Not Present /REL-4/
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	$\frac{1}{3}$ 84 Mone TDD /REL-4/
- CHOICE SyncLase	Sync Case 2
<u>- Timeslot</u>	<u>0</u>
- Cell parameters ID	Not Present
- SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
DDACH info	
	TDD
- CHOICE mode	
- CHOICE IDD option	3.84 Mcps IDD /REL-4/
- Timeslot number	<u>14</u>
- PRACH Channelisation Code List	
- CHOICE SE	SF8
- Channelisation Code List	<u>010</u>
Channelisation Code List	0/4
- Channelisation Code	$\frac{8/1}{2}$
<ul> <li>Channelisation Code</li> </ul>	<u>8/2</u>
<ul> <li>Channelisation Code</li> </ul>	<u>8/3</u>
- Channelisation Code	8/4
- PRACH Midamble	Direct
- PNRSCH allocation	Not Procent /PEL_//
- Transport Channel Identity	<u>15</u>
- RACH IFS	
<u>- CHOICE Transport channel type</u>	Common transport channels
<ul> <li>Dynamic Transport format information</li> </ul>	
<u>- RLC size</u>	1 <u>68</u>
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	TDD
- CHOICE Logical Channel List	Configured
- RLC size	<u>860</u>
- Number of TR and TTL List	
- Number of Transport blocks	4
- Number of Transport DIOCKS	
- CHOICE Logical Channel List	Contigured
<u>- Semi-static Transport Format information</u>	
<ul> <li>Transmission time interval</li> </ul>	<u>20 ms</u>
<ul> <li>Type of channel coding</li> </ul>	Convolutional
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>150</u>
- CRC size	<u>16</u>
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TECL Field 1 information	
- CHOICE TECS representation	Complete reconfiguration
	Complete recomputation

- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	-
- CHOICE Gain Factors	Computed Gain Factor
- Reference TEC ID	0
- CHOICE Mode	
- Power offset Po-m	0 dB
CTEC information	1
<u>- Off Officiation</u>	<u> </u>
<u>CLICICE</u> Coin Eastern	Signallad Cain Fastar
	Signalled Gain Factor
- CHOICE mode	
	$\frac{11}{45}$
- Gain factor Iso	<u>15</u>
- Reference TFC ID	<u>0</u>
- CHOICE Mode	<u>TDD</u>
<u>Power offset Pp-m</u>	<u>0 dB</u>
- PRACH partitioning	
- Access Service Class	
<u>- ASC Setting</u>	Not Present
- ASC Setting	
- CHOICE mode	TDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-Channel Number	'1111'B
	The first/ leftmost bit of
	significant bit of the Ass
ASC Sotting	Significant bit of the Ass
<u>ASC Setting</u>	<u>Not Present</u>
<u>- ASC Setting</u>	TDD
- CHOICE mode	
<u>- Available signature Start Index</u>	0 (ASC#3)
- Available signature End Index	<u>7 (ASC#3)</u>
<ul> <li>Assigned Sub-Channel Number</li> </ul>	<u>'1111'B</u>
	The first/ leftmost bit of
	significant bit of the Ass
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	TDD
<ul> <li>Available signature Start Index</li> </ul>	<u>0 (ASC#5)</u>
<ul> <li>Available signature End Index</li> </ul>	7 (ASC#5)
- Assigned Sub-Channel Number	'1111'B
	The first/ leftmost bit of
	significant bit of the Ass
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	חחד
- Available signature Start Index	$\frac{100}{0}$ (ASC#7)
Available signature End Index	$\frac{0}{(ASC#7)}$
<u>Assigned Sub Channel Number</u>	<u>7 (ASC#7)</u>
- Assigned Sub-Channel Number	The first/leftment hit of
	The first/leftmost bit of
Development of the fraction	significant bit of the Ass
- Persistence scaling factor	0.0 (( 0.00 //0)
- Persistence scaling factor	<u>U.9 (for ASC#2)</u>
- Persistence scaling factor	0.9 (tor ASC#3)
<ul> <li>Persistence scaling factor</li> </ul>	0.9 (for ASC#4)
<ul> <li>Persistence scaling factor</li> </ul>	0.9 (for ASC#5)
<ul> <li>Persistence scaling factor</li> </ul>	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	$\frac{1}{4}$ (AC11)
	· · · · · · · · · · · · · · · · · · ·

of the bit string contains the most assigned Sub-Channel Number. of the bit string contains the most ssigned Sub-Channel Number.

of the bit string contains the most ssigned Sub-Channel Number.

of the bit string contains the most ssigned Sub-Channel Number.

- AC-to-ASC mapping - AC-to-ASC mapping - AC-to-ASC mapping - AC-to-ASC mapping - CHOICE mode - Primary CPICH TX power - Constant value - PRACH power offset - Power Ramp Step - Preamble Retrans Max - RACH transmission parameters - Mmax - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator

1 (AC14) 0 (AC15) TDD 31 -10 <u>3dB</u> <u>4</u> 2 3 slot 10 slot FALSE 0 (For 2 SCCPCHs) (SCCPCH for standalone PCH) TDD Not Present FALSE 128 <u>4</u> FALSE FALSE <u>Fixed</u> 30 Normal Complete reconfiguration <u>2 bit</u> 0 Not Present 1 Not Present (PCH) Common transport channels <u>240</u> 0 1 TDD ALL 10 ms Convolutional 1/2 230 16 bit 12 (for PCH) FALSE TDD 2 18 FALSE

3 (AC12) 2 (AC13)

- Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - <u>TF</u>S - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute 130 - CRC size 16bit

(SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE TRUE (default value) Flexible (default value) Not Present Absence of this IE is equivalent to default value 0 Normal Complete reconfiguration <u>4 bit</u> 0 Not Present 1 Not Present Not Present Not Present 4 Not Present (FACH) Common transport channels 168 <u>0</u> 1 2 TDD ALL <u>10 ms</u> Convolutional 1/2 <u>220</u> 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 TDD ALL 10 ms Turbo

- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 5 (1.28 Mcps TDD)

<FFS>

Contents of System Information Block type 6 in connected mode (FDD)

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	-5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	Not Present
- Secondary CCPCH system information	Not Present
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 6 in connected mode (3.84 Mcps TDD)

#### <FFS>None

Contents of System Information Block type 6 in connected mode (1.28 Mcps TDD)

<FFS>

Bangalore, India. 31st Jan - 4th Feb 2005

		CR-Form-v7	
CHANGE REQUEST			
æ	34.108 CR 397 <b>#</b> rev -	Current version: 5.3.0	
For <u>HELP</u> on us	ing this form, see bottom of this page or look a	t the pop-up text over the $\mathbf{\mathfrak{R}}$ symbols.	
Proposed change a	ffects: UICC apps <sup>sed</sup> ME X Radi	o Access Network Core Network	
Title: #	Addition of GPS scenario and A-GPS assistar	oce data values for signalling tests to	
	34.108		
Source: 🔀	Spirent Communications		
Work item code: 🕷	TEI	Date: 🕱 20/01/2005	
Category: ₩	<ul> <li>F</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier rele</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use one of the following releases: 2(GSM Phase 2)ease)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.	There is no definition of the GPS scenario	o or A-GPS assistance data values to	
Summary of change	e: # - GPS scenario and assistance data valu - Text of other sections modified for clarit -	es defined in new section 10.7 y	
Consequences if not approved:	B Different implementations may use varying sets with inconsistent results.	ng GPS scenarios and assistance data	
Clauses affected:	<b># 10.1, 10.1.1, 10.6, new 10.7</b>		
Other specs affected:	YNXOther core specificationsXTest specificationsXO&M Specifications		
Other comments:	<b>X</b>		

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

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

## 10 A-GPS Assistance Data

## 10.1 General

This section defines the assistance data IEs which shall be available for use as specified in all A-GPS Performance test cases. The assistance data shall be given for all satellites visible in the tests. [Editor's note: this last statement conflicts with section 10.1.1]

The information elements are given with reference to 3GPP TS 25.331 [34], where the details are defined.

Clauses 10.2 and 10.3 list the assistance data IEs required for <u>performance</u> testing of UE-based mode<u>detailed in TS</u> <u>34.171 [35]</u>, and clauses 10.4 and 10.5 list the assistance data available for <u>performance</u> testing of UE-assisted mode <u>detailed in TS 34.171 [35]</u>. Clause 10.6 lists the values of the <u>assistance data IE</u> fields for performance testing detailed in TS <u>34.171 [35]</u>.

<u>Clause 10.7 details the GPS scenario and the values of the assistance data IE fields for signalling testing detailed in TS</u> 34.123-1 [1] clause 17.2

The A-GPS minimum performance requirements are defined by assuming that all relevant and valid assistance data is received by the UE in order to perform GPS measurements and/or position calculation. This clause does not include nor consider delays occurring in the various signalling interfaces of the network.

## 10.1.1 Satellite constellation for performance testing

The satellite constellation for performance testing shall consist of 24 satellites. Almanac assistance data shall be available for all these 24 satellites. At least 9 of the satellites shall be visible to the UE (that is above 15 degrees elevation with respect to the UE). Other assistance data shall be available for 9 of these visible satellites. In each test, signals are generated for only a sub-set of these satellites for which other assistance data is available. The number of satellites in this sub-set is specified in the test. The HDOP for the test shall be calculated using this sub-set of satellites. The selection of satellites for this sub-set shall be random and consistent with achieving the required HDOP for the test.

#### NEXT CHANGED SECTION

## 10.6 Contents of Information elements for performance testing

[Editors note: It is expected that the notes below will be deleted as the IEs are specified in detail]

Contents of UE positioning GPS reference time IE

Information Element	Value/remark	Version
GPS Week	FFS	
GPS TOW msec	FFS	
UTRAN GPS reference time	FFS	
>UTRAN GPS timing of cell frames	FFS	
>CHOICE mode	FFS	
>>FDD	FFS	
>>>Primary CPICH Info	FFS	
>>TDD	Not present	
>>>cell parameters id	Not present	
>SFN	FFS	
SFN-TOW Uncertainty	FFS	
TUTRAN-GPS drift rate	0	
GPS TOW Assist	lessThan10	
SatID	FFS	
TLM Message	FFS	
TLM Reserved	FFS	
Alert	FFS	
Anti-Spoof	FFS	

Note: For every Test Instance in each TTFF test case, the GPS reference time shall be advanced so that, at the time the fix is made, it is at least 2 minutes later than the previous fix.

Note: For every Test Instance in each TTFF test case, the IE GPS TOW ms shall have a random offset, relative to GPS system time, within the allowed uncertainty of Coarse Time Assistance defined in [33]subclause 4.4. This offset value shall have a uniform random distribution.

Note: In addition, for every Fine Time Assistance Test Instance the IE UTRAN GPS timing of cell frames shall have a random offset, relative to the true value of the relationship between the two time references, within the allowed uncertainty of Fine Time Assistance defined in [33]subclause 4.4. This offset value shall have a uniform random distribution.

Note: For the Moving Scenario and Periodic Update Test Case the values of the IEs GPS TOW ms and IE UTRAN GPS timing of cell frames shall be set to the nominal values.

Contents of UE positioning GPS reference UE position IE

Information Element	Value/remark	Version
Ellipsoid point with Altitude and	FFS	
uncertainty ellipsoid		

Note: There is no limitation on the selection of the reference location, consistent with achieving the required HDOP for the Test Case. For each test instance the reference location shall change sufficiently such that the UE shall have to use the new assistance data. The uncertainty of the semi-major axis is 3 km. The uncertainty of the semi-minor axis is 3 km. The orientation of major axis is 0 degrees. The uncertainty of the altitude information is 500 m. The confidence factor is 68 %.

Contents of UE positioning GPS navigation model IE

Information Element	Value/remark	Version
All satellite information	FFS	

Contents of UE positioning GPS ionospheric model IE

Information Element	Value/remark	Version
All	FFS	

Note: Typical Ionospheric and Tropospheric delays shall be simulated and the corresponding values inserted into the Ionospheric Model IEs.

Contents of UE positioning GPS almanac

Information Element	Value/remark	Version
Almanac Reference Week	FFS	
Satellite information	FFS	

Contents of UE positioning GPS acquisition assistance IE

Information Element	Value/remark	Version
GPS TOW msec	FFS	
UTRAN GPS reference time	FFS	
>UTRAN GPS timing of cell frames	FFS	
>CHOICE mode	FFS	
>>FDD	FFS	
>>>Primary CPICH Info	FFS	
>SFN	FFS	
Satellite information	FFS	
>SatID	FFS	
>Doppler (0 <sup>th</sup> order term)	FFS	
>Extra Doppler	FFS	
>>Doppler (1 <sup>st</sup> order term)	FFS	
>>Doppler Uncertainty	FFS	
>Code Phase	FFS	
>Integer Code Phase	FFS	
>GPS Bit number	FFS	
>Code Phase Search Window	FFS	
>Azimuth and Elevation	FFS	
>> Azimuth	FFS	
>> Elevation	FFS	

Note: There is no limitation on the selection of the reference location, consistent with achieving the required HDOP for the Test Case. For each test instance the reference location shall change sufficiently such that the UE shall have to use the new assistance data. The uncertainty of the semi-major axis is 3 km. The uncertainty of the semi-minor axis is 3 km. The orientation of major axis is 0 degrees. The uncertainty of the altitude information is 500 m. The confidence factor is 68 %.

## 10.7 GPS Scenario and values of Information Elements for signalling testing

### 10.7.1 General

This section defines the GPS scenario and the associated assistance data values that shall be used for all Assisted GPS signalling tests defined in TS 34.123-1 [1] clause 17.2.

Where assistance data is required on a per-satellite basis, or where the values of the data also varies with time it is specified in comma-separated-variable files in the GPS data sig zip file attached to this document. These files specify the values to be used for each satellite, indexed by satellite PRN, and, where applicable, the values to be used indexed by both time and satellite PRN.

Assistance data that is marked as "time varying", and the GPS TOW msec field are only specified and used in 1 second increments. Interpolation between these values shall not be used.

The accuracy of the GPS TOW msec and assistance data that is marked as "time varying" in the provided assistance data shall be within +/- 2 s relative to the GPS time in the system simulator.

Assistance data Information Elements and fields that are not specified shall not be used.

## 10.7.2 GPS Scenario

The following GPS scenario shall be used. The assistance data specified in the following sections is consistent with this GPS scenario:

Yuma Almanac data: see file Tokyo Yuma.txt in the GPS data sig zip file attached to this document

<u>UE location and Reference location: static at latitude: 35 degrees 40 minutes north, longitude: 139 degrees 45 minutes east, (Tokyo) height: = 50m</u>

Start time: 12th September 2003 21:30:00

Visible satellites simulated: PRNs: 4, 6, 9, 10, 13, 22

Ionospheric model: see values in section 10.7.6

## 10.7.3 Assistance Data Reference Time

Contents of UE positioning GPS reference time IE

#### Reference Time (Fields occurring once per message)

Parameter <b>Parameter</b>	<u>Units</u>	Value/remark
GPS Week	weeks	<u>211</u>
GPS TOW msec	<u>msec</u>	509400 s. Start time. Add integer number of 1 seconds as required. (Note)

#### Note: GPS TOW msec

This is the value in seconds of GPS TOW msec when the GPS scenario is started in the GPS simulator. The value of GPS TOW msec to be used in the Reference Time IE shall be calculated at the time the IE is required by adding the elapsed time since the time the scenario was started in the GPS simulator to this value, rounded up to the next 1 second interval. This "current GPS TOW msec" is then also used to determine the value of any other parameters marked as "Time varying" in clause 10.7

### 10.7.4 Assistance Data Reference Position

Contents of UE positioning GPS reference UE position IE

#### **Reference Position**

Parameter	<u>Units</u>	Value/remark
Type of Shape	Bit field	Ellipsoid point with altitude and
		uncertainty Ellipsoid
Degrees of latitude	degrees	+3.566666666666667 10E1
Degrees of longitude	degrees	+1.3975000000000 10E2
<u>Altitude</u>	<u>m</u>	<u>+50</u>
Uncertainty semi-	<u>m</u>	<u>3000</u>
major		
Uncertainty semi-	<u>m</u>	<u>3000</u>
<u>minor</u>		
Orientation of major	degrees	<u>0</u>
<u>axis</u>		
Uncertainty altitude	<u>m</u>	<u>500</u>
Confidence	<u>%</u>	<u>68</u>

## 10.7.5 Assistance Data Navigation Model

Contents of UE positioning GPS navigation model IE

#### Navigation Model (Fields occurring once per message)

Parameter	<u>Units</u>	Value/remark
Num_Sats_Total		<u>6</u>

#### Navigation Model (Fields occurring once per satellite)

Parameter	<u>Units</u>	Value/remark
<u>SatID</u>		PRNs: 4, 6, 9, 10, 13, 22.
Satellite Status	<u>Boolean</u>	<u>0 (Note)</u>

Note: For consistency Satellite Status is also given in file: Navigation model.csv

Ephemeris and Clock Correction parameters (Fields occurring once per satellite)

#### Error! No text of specified style in document.

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C/A or P on L2	Boolean	See file: Navigation model.csv
URA Index	Boolean	See file: Navigation model.csv
SV Health	Boolean	See file: Navigation model.csv
IODC		See file: Navigation model.csv
L2 P Data Flag	Boolean	See file: Navigation model.csv
SF 1 Reserved		See file: Navigation model.csv
T <sub>GD</sub>	sec	See file: Navigation model.csv
t <sub>oc</sub>	sec	See file: Navigation model.csv
af <sub>2</sub>	sec/sec <sup>2</sup>	See file: Navigation model.csv
af <sub>1</sub>	sec/sec	See file: Navigation model.csv
<u>af<sub>0</sub></u>	<u>sec</u>	See file: Navigation model.csv
<u>C<sub>rs</sub></u>	meters	See file: Navigation model.csv
Δn	semi-circles/sec	See file: Navigation model.csv
Mo	semi-circles	See file: Navigation model.csv
Cuc	radians	See file: Navigation model.csv
e		See file: Navigation model.csv
<u>C<sub>us</sub></u>	radians	See file: Navigation model.csv
$(A)^{1/2}$	meters <sup>1/2</sup>	See file: Navigation model.csv
<u>t<sub>oe</sub></u>	sec	See file: Navigation model.csv
Fit Interval Flag	<u>Boolean</u>	See file: Navigation model.csv
AODO	sec	See file: Navigation model.csv
<u>C</u> <sub>ic</sub>	radians	See file: Navigation model.csv
OMEGA <sub>0</sub>	semi-circles	See file: Navigation model.csv
<u>C</u> is	<u>radians</u>	See file: Navigation model.csv
<u>io</u>	semi-circles	See file: Navigation model.csv
<u>C<sub>rc</sub></u>	meters	See file: Navigation model.csv
ω	semi-circles	See file: Navigation model.csv
<u>OMEGAdot</u>	semi-circles/sec	See file: Navigation model.csv
<u>ldot</u>	semi-circles/sec	See file: Navigation model.csv

### 10.7.6 Assistance Data Ionospheric Model

Contents of UE positioning GPS ionospheric model IE

#### **Ionospheric Model**

Parameter	<u>Units</u>	Value/remark
<u>α</u> 0	seconds	<u>4.6566129 10E-9</u>
<u>α</u> 1	sec/semi-circle	<u>1.4901161 10E-8</u>
<u>α</u> 2	sec/(semi-circle) <sup>2</sup>	<u>-5.96046 10E-8</u>
<u>α</u> 3	sec/(semi-circle) <sup>3</sup>	<u>-5.96046 10E-8</u>
<u><u>B</u>o</u>	seconds	<u>79872</u>
<u>β</u> 1	sec/semi-circle	<u>65536</u>
<u>β</u> 2	sec/(semi-circle) <sup>2</sup>	<u>-65536</u>
<u>β</u> 3	sec/(semi-circle) <sup>3</sup>	<u>-393216</u>

## 10.7.7 Assistance Data Almanac

Contents of UE positioning GPS almanac

#### Almanac (Fields occurring once per message)

Parameter	Units	Value/remark
<u>WNa</u>	weeks	212
Num_Sats_Total	<u></u>	24

#### Almanac (Fields occurring once per satellite)

Parameter	Units	Value/remark
DataID		See file: Almanac.csv
<u>SatID</u>		PRNs: 1 to 24
<u>e</u>	dimensionless	See file: Almanac.csv
<u>t<sub>oa</sub></u>	sec	See file: Almanac.csv
<u>δi</u>	semi-circles	See file: Almanac.csv
<u>OMEGADOT</u>	semi-circles/sec	See file: Almanac.csv
SV Health	<u>Boolean</u>	See file: Almanac.csv
<u>A<sup>1/2</sup></u>	meters <sup>1/2</sup>	See file: Almanac.csv
<u>OMEGA</u> 0	semi-circles	See file: Almanac.csv
<u>M</u> 0	semi-circles	See file: Almanac.csv
ω	semi-circles	See file: Almanac.csv
<u>af<sub>0</sub></u>	seconds	See file: Almanac.csv
af <sub>1</sub>	sec/sec	See file: Almanac.csv

### 10.7.8 Assistance Data Acquisition Assistance

Contents of UE positioning GPS acquisition assistance IE

#### GPS Acquisition Assist (Fields occurring once per message)

Parameter	Units	Value/remark
GPS TOW msec	msec	509400 s. Start time. Add integer number of 1
		seconds as required. (Note)
Number of Satellites	<u></u>	<u>6</u>

#### Note: GPS TOW msec

This is the value in seconds of GPS TOW msec when the GPS scenario is started in the GPS simulator. The value of GPS TOW msec to be used in the Acquisition Assistance IE shall be calculated at the time the IE is required by adding the elapsed time since the time the scenario was started in the GPS simulator to this value, rounded up to the next 1 second interval.

#### GPS Acquisition Assist (Fields occurring once per satellite)

Parameter	Units	Value/remark
SVID/PRNID		PRNs: 4, 6, 9, 10, 13, 22.
Doppler (0 <sup>th</sup> order term)	Hz	Time varying. See file: Acquisition assist .csv (Note)
Doppler (1 <sup>st</sup> order term)	Hz/sec	Time varying. See file: Acquisition assist .csv (Note)
Doppler Uncertainty	Hz	Time varying. See file: Acquisition assist .csv (Note)
Code Phase	<u>chips</u>	Time varying. See file: Acquisition assist .csv (Note)
Integer Code Phase		Time varying. See file: Acquisition assist .csv (Note)
GPS Bit number		Time varying. See file: Acquisition assist .csv (Note)
Code Phase Search Window	<u>chips</u>	Time varying. See file: Acquisition assist .csv (Note)
<u>Azimuth</u>	<u>deg</u>	Time varying. See file: Acquisition assist .csv (Note)
Elevation	deg	Time varying. See file: Acquisition assist .csv (Note)

#### **Note: Acquisition Assist parameters**

This field is "Time varying" and its value depends on the "current GPS TOW msec" as described in clause 10.7.3. The value of this field to be used shall be determined by taking the "current GPS TOW msec" value and selecting the field value in the Acquisition assist.csv file corresponding to the value of "current GPS TOW msec".

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## Tdoc **#** T1-050239

	CHANGE REQUES	CR-Form-v7
<b>[#</b> ]	34.108 CR <sup>392</sup> # rev -	Current version: <b>5.3.0</b>
For <u>HELP</u> o	n using this form, see bottom of this page or look at	the pop-up text over the $\frac{1}{2}$ symbols.
Proposed chang	ne affects: │ UICC apps <mark>೫ </mark> ME <mark>X</mark> Radic	Access Network Core Network
Title:	<b>Addition of reference radio bearer configuration</b>	n for MAC-hs testing
Source:	8 Ericsson	
Work item code	<mark>೫ TEI</mark>	Date: 🔀 24/01/2005
Category:	<ul> <li>F</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier rele</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use one 2of the following releases: 22(GSM Phase 2)ase)R96R97(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)

Reason for change: #	1.	Addition of reference radio bearer configuration for MAC-hs test cases.
Summary of change: ₩	1.	New section 6.11.4a added (Reference Radio Bearer configurations used in MAC-hs testing)
	2.	Reference radio bearer configuration 6.11.4a.1 "5 x Interactive or background / UL: 8 kbps DL: [max bit rate depending on UE category] / UM PS RAB" added. This configuration is used by MAC-hs test case 7.1.5.2 in 34.123-1.
Consequences if <b>#</b> not approved:	Re	ference radio bearer configuration for MAC-hs tets cases not specified.

Clauses affected: Other specs affected:	<ul> <li>8 6.11.4a (new)</li> <li>8 X Other core specifications</li> <li>8 X Test specifications</li> <li>9 34.123-1 (T1-050137)</li> <li>9 0 &amp; M Specifications</li> </ul>
Other comments:	<b>H</b>

#### How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked 🔀 contain pop-up help information about the field that they are closest to.

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

# 6.11 Common Radio Bearer configurations for other test purposes

The common radio bearer configurations are used for functional testing of various UE functions. Only common configurations that are used by multiple test cases and are not covered by the reference radio bearer configurations in clause 6.10 are specified in the present clause. Radio bearer configurations only used by a single test case are specified in the actual test case itself.

NOTE If not specifically specified then the mid-value of the RM attribute value range as specified by the actual reference radio bearer configuration shall be applied for testing.

## 6.11.1 Unacknowledged Mode Radio Bearer configuration (7 bit Length Indicator)

This configuration is based on the Interactive or background / UL:8 DL 8 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.23a) with the transport channels parameters of the RAB and TFCS defined as follows:

Higher layer		RAB/Signalling RB	RAB
RLC	Logical ch	nannel type	DTCH
	RLC mod	e	UM
	Payload s	sizes, bit	328
	Max data	rate, bps	8200
	UMD PDL	J header, bit	8
MAC	MAC head	der, bit	0
	MAC mult	tiplexing	N/A
Laver 1	TrCH type	9	DCH
	TB sizes,	bit	336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms		40
	Coding ty	ре	CC 1/3
	CRC, bit	-	16
	Max numb	ber of bits/TTI after channel coding	1080
	Uplink: Ma	ax number of bits/radio frame before	270
	rate matcl	hing	
	RM attribu	ute	135-175

#### Transport channel parameters for the Uplink RAB

TFCS

TFCS size	4
TFCS	(8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

#### Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	UM
	Payload sizes, bit	328
	Max data rate, bps	8200
	UMD PDU header, bit	8
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
	TTI, ms	40
	Coding type	CC 1/3
	CRC, bit	16
	Max number of bits/TTI after channel coding	1080
	RM attribute	135-175

#### TFCS

TFCS size	4
TFCS	(8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

## 6.11.2 Unacknowledged Mode Radio Bearer configuration (15 bit Length Indicator)

This configuration is based on the Interactive or background / UL:64 DL 64 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.26) with the transport channels parameters of the RAB defined as followed:

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	UM
	Payload sizes, bit	1336
	Max data rate, bps	66800
	UMD PDU header, bit	8
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	1344
	TFS TF0, bits	0x1344
	TF1, bits	1x1344
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4092
	Uplink: Max number of bits/radio frame before	2046
	rate matching	
	RM attribute	130-170

#### Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	UM
	Payload sizes, bit	1336
	Max data rate, bps	66800
	UMD PDU header, bit	8
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
-	TB sizes, bit	1344
	TFS TF0, bits	0x1344
	TF1, bits	1x1344
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4092
	RM attribute	130-170

## 6.11.3 Acknowledged Mode Radio Bearer configuration (7 bit Length Indicator)

This configuration is based on the Interactive or background / UL:8 DL 8 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.23a) with the transport channels parameters of the RAB and TFCS defined as follows:

Higher layer		RAB/Signalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mc	ode	AM
	Payload	l sizes, bit	128
	Max dat	ta rate, bps	6400
	UMD PI	DU header, bit	16
MAC	MAC he	eader, bit	0
	MAC m	ultiplexing	N/A
Layer 1	TrCH ty	pe	DCH
	TB size	s, bit	144
	TFS	0x144	0x144
		1x144	1x144
	TTI, ms		20
	Coding	type	CC 1/3
	CRC, bi	it	16
	Max nur	mber of bits/TTI after channel coding	504
	Uplink: I rate ma	Max number of bits/radio frame before tching	252
	RM attri	ibute	135-175

#### Transport channel parameters for the Uplink RAB

TFCS size	4
TFCS	(RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

#### Transport channel parameters for the Downlink RAB

Higher layer		RAB/Signalling RB	RAB
RLC	Logical cl	nannel type	DTCH
	RLC mod	le	AM
	Payload s	sizes, bit	128
	Max data	rate, bps	6400
	UMD PDI	J header, bit	16
MAC	MAC hea	der, bit	0
	MAC mul	tiplexing	N/A
Layer 1	TrCH type	e	DCH
-	TB sizes,	bit	144
	TFS	0x144	0x144
		1x144	1x144
	TTI, ms		20
	Coding ty	rpe	CC 1/3
	CRC, bit		16
	Max num	ber of bits/TTI after channel coding	504
	RM attrib	ute	135-175

#### TFCS

TFCS size	4
TFCS	(RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

## 6.11.4 Acknowledged Mode Radio Bearer configuration (15 bit Length Indicator)

This configuration is based on the Interactive or background / UL:64 DL 64 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.26) with the transport channels parameters of the RAB defined as followed.

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	1328
	Max data rate, bps	66400
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	1344
	TFS TF0, bits	0x1344
	TF1, bits	1x1344
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4092
	Uplink: Max number of bits/radio frame before	2046
	RM attribute	130-170

#### Transport channel parameters for the Uplink RAB

#### Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB			
RLC	Logical channel type	DTCH			
	RLC mode	AM			
	Payload sizes, bit	1328			
	Max data rate, bps	66400			
	AMD PDU header, bit	16			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH			
-	TB sizes, bit	1344			
	TFS TF0, bits	0x1344			
	TF1, bits	1x1344			
	TTI, ms	20			
	Coding type	TC			
	CRC, bit	16			
	Max number of bits/TTI after channel coding	4092			
	RM attribute	130-170			

### 6.11.4a Reference Radio Bearer configurations used in MAC-hs testing

## 6.11.4a.1 5 x Interactive or background / UL: 8 kbps DL: [max bit rate depending on UE category] / UM PS RAB

This reference radio bearer configuration is used by the MAC-hs test case 7.1.5.2 in TS 34.123-1.

6.11.4a.1.1 Uplink

6.11.4a.1.1.1 Uplink Transport channel parameters for DCH

6.11.4a.1.1.1.1 Transport channel parameters for 5 x Interactive or background / UL:8 kbps / PS RAB

<u>Higher</u>	RAB/Signalling RB	<u>RB5</u>	<u>RB6</u>	<u>RB7</u>	<u>RB8</u>	<u>RB9</u>		
RLC	Logical channel type	DTCH	DTCH	DTCH	DTCH	DTCH		
	RLC mode	UM	UM	UM	UM	UM		
	Payload sizes, bit	<u>328</u>	<u>328</u>	<u>328</u>	<u>328</u>	<u>328</u>		
	Max data rate, bps	8200	8200	8200	8200	<u>8200</u>		
	UMD PDU header, bit	<u>8</u>	<u>8</u>	8	<u>8</u>	<u>8</u>		
MAC	MAC header, bit	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>		
	MAC multiplexing	5 logical channel multiplexing						
Layer 1	TrCH type	DCH						
-	TB sizes, bit	340						
	TFS TF0, bits	<u>0x340</u>						
	TF1, bits	<u>1x340</u>						
	TTI, ms	<u>40</u>						
	Coding type	<u>TC</u>						
	CRC, bit	<u>16</u>						
	Max number of bits/TTI after channel coding	<u>1080</u>						
	Uplink: Max number of bits/radio frame	270						
	before rate matching							
	RM attribute			<u>135-175</u>				

6.11.4a.1.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See TS 34.108 clause 6.10.2.4.1.2.1.1.1.

#### 6.11.4a.1.1.3 Uplink TFCS

TFCS size	4
<u>TFCS</u>	(5x8 kbps PS RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

#### 6.11.4a.1.1.2 Uplink physical channel parameters

<b>DPCH</b>	Min spreading factor	<u>64</u>
<u>Uplink</u>	Max number of DPDCH data bits/radio	<u>600</u>
	<u>frame</u>	
	Puncturing Limit	<u>1.0</u>

#### 6.11.4a.1.2 Downlink

#### 6.11.4a.1.2.1 Transport channel parameters for HS-DSCH

## 6.11.4a.1.2.1.1 MAC-d flow #1 parameters for 2 x Interactive or background / DL: [max bit rate depending on UE category] / PS RAB

<u>Higher</u> Layer	RAB/Signalling RB	<u>RB5</u>	<u>RB6</u>			
<u>RLC</u>	Logical channel type	DTCH	DTCH			
	RLC mode	UM	<u>UM</u>			
	Payload sizes, bit	<u>328</u>	<u>328</u>			
	Max data rate, bps	depends on UE category	depends on UE category			
	UMD PDU header, bit	<u>8</u>	<u>8</u>			
MAC	MAC-d header, bit	4	4			
	MAC multiplexing	2 logical channel multiplexing				
	MAC-d PDU size, bit	<u>340</u>				
	MAC-hs header fixed part, bit	<u>21</u>				
Layer 1	TrCH type	HS-D	DSCH			
		<u>2 ms</u>				
	Coding type	TC				
	CRC, bit	24				

## 6.11.4a.1.2.1.2 MAC-d flow #2 parameters for 2 x Interactive or background / DL: [max bit rate depending on UE category] / PS RAB

<u>Higher</u> Layer	RAB/Signalling RB	<u>RB7</u>	<u>RB8</u>			
<u>RLC</u>	Logical channel type	DTCH	DTCH			
	RLC mode	<u>UM</u>	<u>UM</u>			
	Payload sizes, bit	<u>328</u>	<u>328</u>			
	Max data rate, bps	depends on UE category	depends on UE category			
	UMD PDU header, bit	<u>8</u>	8			
MAC	MAC-d header, bit	<u>4</u>	<u>4</u>			
	MAC multiplexing	2 logical channel multiplexing				
	MAC-d PDU size, bit	<u>340</u>				
	MAC-hs header fixed part, bit	<u>21</u>				
Layer 1	TrCH type	HS-D	DSCH			
		<u>2 ms</u>				
	Coding type	TC				
	CRC, bit	<u>24</u>				

#### 6.11.4a.1.2.1.3 MAC-d flow#3 parameters for Interactive or background / DL: [max bit rate depending on UE category] / PS RAB

<u>Higher</u> Laver	RAB/Signalling RB	<u>RB9</u>
RLC	Logical channel type	DTCH
	RLC mode	UM
	Payload sizes, bit	328
	Max data rate, bps	depends on UE category
	UMD PDU header, bit	8
MAC	MAC-d header, bit	<u>0</u>
	MAC multiplexing	N/A
	MAC-d PDU size, bit	<u>336</u>
	MAC-hs header fixed part, bit	<u>21</u>
Layer 1	TrCH type	HS-DSCH
	TTI	<u>2 ms</u>
	Coding type	TC
	CRC, bit	24

#### 6.11.4a.1.2.2 Downlink Transport channel parameters for DCH

#### 6.11.4a.1.2.2.1 Transport channel parameters for DL: 3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.11.4a.1.2.2.2 Downlink TFCS

 TFCS size
 2

 TFCS
 SRBs for DCCH = TF0, TF1

6.11.4a.1.2.3 Downlink physical channel parameters

6.11.4a.1.2.3.1 Downlink physical channel parameters on DPCH

See clause 6.10.2.4.1.2.2.2.

6.11.4a.1.2.3.2 Physical channel parameters on HS-PDSCH

UE HS-DSCH Physical Layer:

<u>HS-PDSCH</u>	Number of processes	<u>2</u>
Process memory size		Split equally among all processes
	<u>Max Data Rate</u>	Depending on UE category

6.11.5 Reference Radio Bearer configurations used in Radio Bearer testing for 1.28 Mcps TDD

		CI	HANGE	EREQ	UE	ST				CR-Form-v7
æ	34.108	CR	396	жrev	-	¥	Current vers	sion:	5.3.0	æ
For <u>HELP</u>	on using this	form, see b	ottom of thi	is page or	look	at th	e pop-up tex	t over	the <mark></mark> \$\$ syr	nbols.
Proposed cha	ange affects:	UICC app	s <b>#</b>	MEX	Rad	dio A	ccess Netwo	rk	Core Ne	etwork
Title:	# Correction	on to TFCS	ordering							
Source:	8 Nortel N	etworks								
Work item co	de: <mark>೫ TEI</mark>						Date: #	20/	01/2005	
Category:	<ul> <li> <b>F</b> </li> <li> <i>Use</i> one             <i>F</i>             (c             <i>A</i>             (c             <i>B</i>             (a             <i>C</i>             (f             <i>D</i>             (e             Detailed             be found      </li> </ul>	of the followi orrection) corresponds addition of fe unctional mod editorial mod explanations in 3GPP <u>TR</u>	ng categorie to a correctio ature), dification of ification) of the above <u>21.900</u> .	es: on in an ear feature) e categories	rlier re s can	elease	Release: # Use <u>one</u> of 2 e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the fo (GSN (Rele (Rele (Rele (Rele (Rele (Rele	I-5 Illowing rele A Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5) ease 6)	eases:
Reason for cl	hange: 🕱 For 6.10 me	a number o ), the TFCS chanism (sp	of RAB com ordering is pecified in c	binations s not in lin lause 14.2	that y e with 10 of	were the TS2	added in Ma rest of the s 5.331) is use	arch 20 ection d.	002 to cla , where th	use le CTFC
Summary of o	change: <mark>೫ The</mark>	TFCS orde	ering is alig	<mark>ned to the</mark>	rest	<mark>of th</mark>	e document	using	the CTFC	
Consequence not approved	es if <mark># TF(</mark> : lead	CS ordering to wrong i	will remain mplementa	inconsist tions.	ent w	rith re	eal RAB conf	igurat	ions, whic	h may

Clauses affected:	₩ 6.10
Other specs affected:	Y       N         X       Other core specifications       # 34.123-1         X       Test specifications       # 0&M Specifications         X       O&M Specifications       # 0
Other comments:	<b>8</b>

#### How to create CRs using this form:

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

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

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request. 6.10.2.4.1.51a Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.51a.1 Uplink

6.10.2.4.1.51a.1.1 Transport channel parameters

6.10.2.4.1.51a.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.1.1.2.

6.10.2.4.1.51a.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.

6.10.2.4.1.51a.1.1.4 TFCS

TFCS size	8
TFCS	(64 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)=
	<u>(TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0),</u>
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF0), (TF1, TF1, TF1), (TF0, TF0, TF0), (TF0,
	<del>TF1, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1),</del>
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1)

6.10.2.4.1.51a.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.72

6.10.2.4.1.51a.2 Downlink

6.10.2.4.1.51a.2.1 Transport channel parameters

6.10.2.4.1.51a.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / PS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.2.1.2.

6.10.2.4.1.51a.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.

#### 6.10.2.4.1.51a.2.1.4 TFCS

TFCS size	8
TFCS	(64 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF0), (TF1, TF1, TF1) (TF0, TF0, TF0), (TF0,
	<del>TF1, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1),</del>
	<del>(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1)</del>

#### 6.10.2.4.1.51a.2.2 Physical channel parameters

DPCH	DTX position	on	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

#### 3GPP TSG-T WG1 Meeting #26 Bangalore, India, 31<sup>th</sup> January – 4<sup>th</sup> Feburary 2005

**Tdoc #T1-050469** Agenda Item 8.7.1

	CHANGE REQUEST	CR-Form-v7.1
æ	<mark>34.108</mark> CR <sup>398</sup> <mark>⊯</mark> rev <sup>-</sup> <sup>⊯</sup> 9	Current version: <b>5.3.0</b>
For <mark>HELP</mark> on	using this form, see bottom of this page or look at the	pop-up text over the 🏶 symbols.
Proposed change	affects: UICC apps <mark>#</mark> ME X Radio Acc	cess Network Core Network
Title:	CR to TS34.108 Rel-5; Correction to the physical of 050176)	channel parameters (Revison of T1-
Source:	S NTT DoCoMo, Ericsson	
Work item code:	€ TEI	Date: # 31/01/2005
Category:	<ul> <li>F</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier release)</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release:Rel-5Use one of the following releases:Ph2(GSM Phase 2)R96R97(Release 1996)R97R98(Release 1998)R99Rel-4(Release 4)Rel-5Rel-6Rel-7(Release 7)



<ul> <li>2) fixed positions of the transport channels is used on the CCTrCH to be detectable.</li> <li>It means that UE can detect transport channel format if the IE "DTX position set to Fixed position by using the above detection. However there is no me in this core spec when the IE is set to Flexible position. In such case the UE behaviour is unspecified.</li> <li>To avoid the misleading, we prpose to change the value.</li> <li>For TTCN This change is not impact for TTCN.</li> </ul>			
Summary of change: ೫	The IE "DTX position" is set to "Fixed position".		
Consequences if <b>#</b> not approved:	The test spec remains unclear.		
Clauses affected: #	6.10.2.4.1.1, 6.10.2.4.1.2, 6.10.2.4.1.3 <mark>, 6.10.2.4.3.1</mark>		
Other specs # Affected:	Y       N         X       Other core specifications         X       Test specifications         X       O&M Specifications		
Other comments: #			

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- 1) Fill out the above form. The symbols above marked 🔀 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.

#### <<Start of Modification>>

- 6.10.2.4 Typical radio parameter sets
- 6.10.2.4.1 Combinations on DPCH
- 6.10.2.4.1.1 Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH
- 6.10.2.4.1.1.1 Uplink
- 6.10.2.4.1.1.1.1 Transport channel parameters

#### 6.10.2.4.1.1.1.1.1 Transport channel parameters for UL:1.7 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4		
	User of Radio Bear	rer	RRC	RRC	NAS_DT	NAS_DT		
					High prio	Low prio		
RLC	Logical channel typ	e	DCCH	DCCH	DCCH	DCCH		
	RLC mode		UM	AM	AM	AM		
	Payload sizes, bit		136	128	128	128		
	Max data rate, bps		1700	1600	1600	1600		
	AMD/UMD PDU he	ader, bit	8	16	16	16		
MAC	MAC header, bit	MAC header, bit		4	4	4		
	MAC multiplexing	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	TrCH type		DCH				
	TB sizes, bit	TB sizes, bit		148 (alt 0, 148)				
	TFS	TFS TF0, bits		0x148 (alt 1x0)				
		TF1, bits		1x1	48			
	TTI, ms	TTI, ms		8	0			
	Coding type	Coding type		CC 1/3				
	CRC, bit	CRC, bit		16				
	Max number of bits	Max number of bits/TTI before rate		516				
	matching	matching						
	Uplink: Max numbe	Uplink: Max number of bits/radio		6	5			
	frame before rate n	frame before rate matching						
	RM attribute	RM attribute		155-	185			

#### 6.10.2.4.1.1.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

#### 6.10.2.4.1.1.1.2 Physical channel parameters

DPCH Uplink		
	Min spreading factor	256
	Max number of DPDCH data bits/radio frame	150
	Puncturing Limit	1

- 6.10.2.4.1.1.2 Downlink
- 6.10.2.4.1.1.2.1 Transport channel parameters

#### 6.10.2.4.1.1.2.1.1 Transport channel parameters for DL:1.7 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4	
•	User of Radio Bear	er	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	e	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		1700	1600	1600	1600	
	AMD/UMD PDU he	ader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing	/IAC multiplexing		4 logical channel multiplexing			
Laver 1	TrCH type	TrCH type		DCH			
	TB sizes, bit	TB sizes, bit		148 (alt 0, 148) (note)			
	TFS	TF0, bits		0 x148 (alt 1x0) (note)			
		TF1, bits		1x1	48		
	TTI, ms	ms		80			
	Coding type	Coding type		CC 1/3			
	CRC, bit	CRC, bit		16			
	Max number of bits	Max number of bits/TTI before rate		516			
	matching						
	RM attribute	RM attribute		155-	185		
NOTE: altern:	ative parameters enable	the measurement	"transport chan	nel BLER" in th	e UE.		

#### 6.10.2.4.1.1.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

#### 6.10.2.4.1.1.2.2 Physical channel parameters

DPCH Downlink			
	DTX position		FixedN/A (SingleTrCH)
	Spreading factor		512
	DPCCH	Number of TFCI bits/slot	0
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	4
		Number of data bits/frame	60

<<End of Modification>>
### <<Start of Modification>>

- 6.10.2.4.1.2 Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.2.1 Uplink
- 6.10.2.4.1.2.1.1 Transport channel parameters

### 6.10.2.4.1.2.1.1.1 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

Higher layer	RAB/signalling	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio	Bearer	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical chann	el type	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes	, bit	136	128	128	128	
	Max data rate	, bps	3400	3200	3200	3200	
	AMD/UMD PE	OU header, bit	8	16	16	16	
MAC	MAC header,	MAC header, bit		4	4	4	
	MAC multiple:	MAC multiplexing		4 logical channel multiplexing			
Layer 1	TrCH type		DCH				
-	TB sizes, bit	TB sizes, bit		148 (alt 0, 148)			
	TFS	TF0, bits		0x148 (alt 1x0)			
		TF1, bits		1x1	48		
	TTI, ms	TTI, ms		40			
	Coding type	Coding type		CC 1/3			
	CRC, bit	CRC, bit		16			
	Max number of	Max number of bits/TTI before rate		516			
	matching						
	Uplink <u>:</u> Max n	umber of bits/radio	129				
	frame before	ate matching					
	RM attribute			155-	185		

#### 6.10.2.4.1.2.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

#### 6.10.2.4.1.2.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	256
	Max number of DPDCH data bits/radio frame	150
	Puncturing Limit	1

- 6.10.2.4.1.2.2 Downlink
- 6.10.2.4.1.2.2.1 Transport channel parameters

## 6.10.2.4.1.2.2.1.1 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4	
•	User of Radio Bear	er	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	e	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		3400	3200	3200	3200	
	AMD/UMD PDU he	ader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type		DCH				
	TB sizes, bit	TB sizes, bit		148 (alt 0, 148) (note)			
	TFS	TFS TF0, bits		0x148 (alt	1x0) (note)		
		TF1, bits		1x1	48		
	TTI, ms		40				
	Coding type	Coding type		CC 1/3			
	CRC, bit	CRC, bit		16			
	Max number of bits	/TTI before rate	516				
	matching						
	RM attribute		155-230				
NOTE: alternative parameters enable the measurement "transport channel BLER" in the UE.							

### 6.10.2.4.1.2.2.1.2 TFCS

1

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

#### 6.10.2.4.1.2.2.2 Physical channel parameters

DPCH Downlink	DTX position		FixedN/A (SingleTrCH)
	Spreading factor		256
	DPCCH	Number of TFCI bits/slot	0
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	14
		Number of data bits/frame	210

## <<End of Modification>>

## <<Start of Modification>>

- 6.10.2.4.1.3 Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH
- 6.10.2.4.1.3.1 Uplink
- 6.10.2.4.1.3.1.1 Transport channel parameters

### 6.10.2.4.1.3.1.1.1 Transport channel parameters for UL:13.6 kbps SRBs for DCCH

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio Bear	User of Radio Bearer		RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	e	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		13600	12800	12800	12800	
	AMD/UMD PDU he	ader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type		DCH				
	TB sizes, bit		148 (alt 0, 148)				
	TFS	TFS TF0, bits		0x148 (alt 1x0)			
		TF1, bits		1x1	48		
	TTI, ms	TTI, ms		10			
	Coding type	Coding type		CC 1/3			
	CRC, bit	CRC, bit		16			
	Max number of bits	Max number of bits/TTI before rate		516			
	matching						
	Uplink: Max numbe	er of bits/radio		51	6		
	frame before rate n	natching					

### 6.10.2.4.1.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.1.2 Phys

Physical channel parameters

DPCH Uplink	Min spreading factor	64
	Max number of DPDCH data bits/radio frame	600
	Puncturing Limit	1

- 6.10.2.4.1.3.2 Downlink
- 6.10.2.4.1.3.2.1 Transport channel parameters

### 6.10.2.4.1.3.2.1.1 Transport channel parameters for DL:13.6 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4		
	User of Radio Bear	er	RRC	RRC	NAS_DT	NAS_DT		
					High prio	Low prio		
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH		
	RLC mode		UM	AM	AM	AM		
	Payload sizes, bit		136	128	128	128		
	Max data rate, bps		13600	12800	12800	12800		
	AMD/UMD PDU he	AMD/UMD PDU header, bit		16	16	16		
MAC	MAC header, bit		4	4	4	4		
	MAC multiplexing		4 logical channel multiplexing					
Layer 1	TrCH type		DCH					
-	TB sizes, bit		148 (alt 0, 148) (note)					
	TFS	TF0, bits	0x148 (alt		1x0) (note)			
		TF1, bits	1x148					
	TTI, ms	TTI, ms		10				
	Coding type		CC 1/3					
	CRC, bit	CRC, bit		16				
	Max number of bits/TTI before rate		516					
matching								
NOTE: alterna	ative parameters enable	the measurement	transport chan	nel BLER" in th	e UE.			

#### 6.10.2.4.1.3.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

### 6.10.2.4.1.3.2.2 Physical channel parameters

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

# <<End of Modification>>