

**Source:** T1  
**Title:** CRs to TS 34.108 v.5.1.0 for approval  
**Agenda item:** 5.1.3  
**Document for:** Approval

This document contains the CRs to TS 34.108 v.5.1.0. These CRs have been agreed by T1 and are put forward to TSG T for approval.

Doc-2nd-Level	Spec	CR	R e v	Phas e	Subject	Cat	Version-Current	Version-New
T1-041040	34.108	343	-	Rel 5	Correction to generic test procedure in section 7.4.2.6a.	F	5.1.0	5.2.0
T1-041044	34.108	344	-	Rel-5	Addition of default messages for Signalling (FDD)	F	5.1.0	5.2.0
T1-041140	34.108	345	-	Rel-5	Minor change to terminology in SRB tables of clause 6.10	F	5.1.0	5.2.0
T1-041154	34.108	346	-	Rel-5	Default Message Content for System Information Block type 5 (FDD) and type 6 (FDD)	F	5.1.0	5.2.0
T1-041171	34.108	347	-	Rel-5	Corrections to DCCH Transport Channel Parameters for HSDPA RAB	D	5.1.0	5.2.0
T1-041223	34.108	348	-	Rel-5	Corrections to clause 9	F	5.1.0	5.2.0
T1-041235	34.108	349	-	Rel-5	Corrections to HCR TDD RAB combinations	F	5.1.0	5.2.0
T1-041252	34.108	350	-	Rel 5	Adding missing sub-clause 6.10.2.4.1.62.1	F	5.1.0	5.2.0
T1-041253	34.108	351	-	Rel-5	Modification of AICH power offset in SysInfo 5 and 6.	F	5.1.0	5.2.0
T1-041259	34.108	352	-	Rel-5	Correction to Default Message Content for Radio Bearer Setup Message.	F	5.1.0	5.2.0
T1-041266	34.108	353	-	Rel-5	Correction to Default Message Content for Radio Bearer Reconfiguration Message for Condition A6	F	5.1.0	5.2.0
T1-041298	34.108	354	-	Rel-5	CR to 34.108: introduction of default RB SETUP message from cell_FACH state for HSDPA	F	5.1.0	5.2.0
T1-041317	34.108	355	-	Rel-5	Corrections to Contents of RADIO BEARER SETUP message: BTFD RMC	F	5.1.0	5.2.0
T1-041327	34.108	340	-	Rel-5	Resolution of downlink code conflict between OCNS DPCH and S-CCPCH	F	5.1.0	5.2.0
T1-041346	34.108	361	-	Rel-5	Correction to test procedure for test cases using Cell_PCH or URA_PCH state	F	5.1.0	5.2.0
T1-041350	34.108	362	-	Rel-5	Removal of DCCH dummy transmission for RF testing	F	5.1.0	5.2.0
T1-041354	34.108	341	-	Rel-5	Correct title to test procedure for test cases using Cell_PCH or URA_PCH state	F	5.1.0	5.2.0
T1-041356	34.108	363	-	Rel-5	Addition of intra frequency cell to cell	F	5.1.0	5.2.0

					environments			
T1-041365	34.108	342	-	Rel-5	Correct primary scrambling code usage in default message contents in section 9.2.1	F	5.1.0	5.2.0
T1-041374	34.108	356	-	Rel-5	HSDPA downlink code allocation	F	5.1.0	5.2.0
T1-041376	34.108	357	-	Rel-5	Correction to test procedure for test cases using CELL_FACH state	F	5.1.0	5.2.0
T1-041416	34.108	358	-	Rel-5	Varying DPCH Power Offset according to data transmission rate	F	5.1.0	5.2.0
T1-041418	34.108	359	-	Rel-5	Corrections to default message for RADIO BEARER SETUP message in section 9.2.1 (HSDPA RF)	F	5.1.0	5.2.0
T1-041422	34.108	360	-	Rel-5	Test SIB schedule for two S-CCPCH or two PRACH in 34.108	F	5.1.0	5.2.0
T1-041433	34.108	364	-	Rel-5	Correction to Default Message Content for Radio Bearer Setup Message re: RM Attribute values	F	5.1.0	5.2.0

## CHANGE REQUEST

# **34.108 CR 343** # rev **-** # Current version: **5.1.0** #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Correction to generic test procedure in section 7.4.2.6a.		
<b>Source:</b>	# Ericsson		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 2004-07-14
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Release 5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	#	<ol style="list-style-type: none"> <li>1. Incorrect title for for generic test procedure in section 7.4.2.6a.</li> <li>2. PDCP info IE should be omitted achieve UE to loopback RLC SDUs. If PDCP info is included UE will loopback PDCP SDUs which adds unnecessary complexity to TTCN (as PDCP layer is implemented in PDCP).</li> </ol>
<b>Summary of change:</b>	#	<ol style="list-style-type: none"> <li>1. Reference to "procedure P13a" changed to "procedure P4a and P9a" in title of generic test procedure in section 7.4.2.6a.</li> <li>2. Added statements in expected sequence and in specific message content that PDCP info IE shall be omitted.</li> </ol>
<b>Consequences if not approved:</b>	#	Misleading title remains.

<b>Clauses affected:</b>	#	7.4.2.6a								
<b>Other specs affected:</b>	#	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	#	X	#	X	#	X
Y	N									
#	X									
#	X									
#	X									
<b>Other comments:</b>	#	Affects R99, Rel4 and Rel5 UEs.								

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

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

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

### 7.4.2.6a Test loop activation and radio access bearer establishment procedure for packet switched sessions (procedure ~~P13a~~[P4a](#) and [P9a](#))

#### 7.4.2.6a.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-3 or state 6-4.
- The Test USIM shall be inserted.

#### 7.4.2.6a.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

#### 7.4.2.6a.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5.2 and 6.1 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		AUTHENTICATION AND CIPHERING REQUEST	GMM
2	-->		AUTHENTICATION AND CIPHERING RESPONSE	GMM
3	<--		SECURITY MODE COMMAND	RRC
4	-->		SECURITY MODE COMPLETE	RRC
5	<--		ACTIVATE RB TEST MODE (DCCH)	TC
6	-->		ACTIVATE RB TEST MODE COMPLETE (DCCH)	TC
7	<--		RADIO BEARER SETUP	RRC RAB SETUP. <a href="#">The 'pdcp info' IE shall be omitted.</a>
8	-->		RADIO BEARER SETUP COMPLETE	RRC
14	<--		CLOSE UE TEST LOOP (DCCH)	TC UE test mode 1 RLC SDU size set as specified for the actual test case.
15	-->		CLOSE UE TEST LOOP COMPLETE (DCCH)	TC

#### 7.4.2.6a.4 Specific message contents

For step 1, the messages in clause 9 of TS 34.108 are used. To execute procedure P9a, use the message titled "Packet to CELL\_DCH from CELL\_DCH in PS". To execute procedure 4a, use the message titled "Packet to CELL\_FACH from CELL\_FACH in PS" [with the exception that the 'pdcp info' IE shall be omitted.](#)

3GPP TSG T1 Meeting #24  
 Toronto, Canada, 26<sup>th</sup> – 30<sup>th</sup> July 2004

T1-041044

CR-Form-v7
<b>CHANGE REQUEST</b>
⌘ <b>TS 34.108 CR 344</b> ⌘ rev - ⌘ Current version: <b>5.1.0</b> ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Addition of default messages for Signalling (FDD)		
<b>Source:</b>	⌘ Panasonic		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 9/7/04
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ Default message content for TRANSPORT FORMAT COMBINATION CONTROL and UTRAN MOBILITY INFORMATION FAILURE are missing from clause 9.1.1 of TS 34.108.
<b>Summary of change:</b>	⌘ Default message content for TRANSPORT FORMAT COMBINATION CONTROL and UTRAN MOBILITY INFORMATION FAILURE are added.
<b>Consequences if not approved:</b>	⌘ No reference message content for TRANSPORT FORMAT COMBINATION CONTROL and UTRAN MOBILITY INFORMATION FAILURE can be found in TS 34.108 clause 9.1.1

<b>Clauses affected:</b>	⌘ 9.1.1										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘ TS 34.123-1
	Y	N									
	<input type="checkbox"/>	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Test specifications											
O&M Specifications											
<b>Other comments:</b>	⌘ Affects clause 8.2.5.4 and 8.3.3.2 in TS 34.123-1.										

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

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

### 9.1.1 Default RRC Message Contents (FDD)

...

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL\_DCH)

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info - Message authentication code  - RRC Message sequence number CHOICE mode DPCH/PUSCH TFCS in Uplink - CHOICE <i>Subset representation</i> - Allowed Transport format combination Activation time for TFC subset TFC Control duration	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. FDD  Allowed transport format combination list 0 (The TFC is constructed from ALL TFO) Not Present Not Present

#### Contents of TRANSPORT FORMAT COMBINATION CONTROL FAILURE message: AM

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

...

Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

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

#### Contents of UTRAN MOBILITY INFORMATION FAILURE message: AM

<u>Information Element</u>	<u>Value/remark</u>
<a href="#">Message Type</a> <a href="#">RRC transaction identifier</a>  <a href="#">Integrity check info</a>	<a href="#">Checked to see if it matches the value of the same IE in downlink UTRAN MOBILITY INFORMATION message</a>



<a href="#">- Message authentication code</a>	<a href="#">This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.</a>
<a href="#">- RRC Message sequence number</a>	<a href="#">This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.</a>
<a href="#">Failure Cause</a>	<a href="#">Checked to see if it meets test requirement</a>

CR-Form-v7

## CHANGE REQUEST

# 34.108 CR 345 # rev - # Current version: 5.1.0 #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	# CR to 34.108: minor change to terminology in SRB tables of clause 6.10		
<b>Source:</b>	# Nortel Networks		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 15/07/2004
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# In clause 6.10, physical channel parameter tables for SRB only configurations refer to a "Minimum Spreading Factor". However, once allocated the spreading factor in downlink is fixed.
<b>Summary of change:</b>	# Notion of 'Minimum spreading factor' is replaced by 'spreading factor'
<b>Consequences if not approved:</b>	# Inconsistency in the physical layer terminology for SRB only configurations.

<b>Clauses affected:</b>	# 6.10				
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications #	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications #	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications #	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<b>Other comments:</b>	# Applicable to all releases from R99				

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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	<b>SRB#1</b>	<b>SRB#2</b>	<b>SRB#3</b>	<b>SRB#4</b>
	User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel type	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 header, 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	TF0, bits	0x148 (alt 1x0)		
		TF1, bits	1x148		
	TTI, ms	80			
	Coding type	CC 1/3			
	CRC, bit	16			
	Max number of bits/TTI before rate matching	516			
	Uplink: Max number of bits/radio frame before rate matching	65			
	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	<b>SRB#1</b>	<b>SRB#2</b>	<b>SRB#3</b>	<b>SRB#4</b>
	User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel type	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 header, 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) (note)			
	TFS	TF0, bits	0 x148 (alt 1x0) (note)		
		TF1, bits	1x148		
	TTI, ms	80			
	Coding type	CC 1/3			
	CRC, bit	16			
	Max number of bits/TTI before rate matching	516			
	RM attribute	155-185			
NOTE: alternative parameters enable the measurement "transport channel BLER" in the 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		N/A (SingleTrCH)
	Minimum 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

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 RB	<b>SRB#1</b>	<b>SRB#2</b>	<b>SRB#3</b>	<b>SRB#4</b>
	User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel 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 PDU header, 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	TF0, bits	0x148 (alt 1x0)		
		TF1, bits	1x148		
	TTI, ms	40			
	Coding type	CC 1/3			
	CRC, bit	16			
	Max number of bits/TTI before rate matching	516			
	Uplink; Max number of bits/radio frame before rate matching	129			
	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	<b>SRB#1</b>	<b>SRB#2</b>	<b>SRB#3</b>	<b>SRB#4</b>
	User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel 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 PDU header, 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) (note)			
	TFS	TF0, bits	0x148 (alt 1x0) (note)		
		TF1, bits	1x148		
	TTI, ms	40			
	Coding type	CC 1/3			
	CRC, bit	16			
	Max number of bits/TTI before rate matching	516			
	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

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.2.2 Physical channel parameters

DPCH Downlink	DTX position		N/A (SingleTrCH)
	Minimum 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

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	<b>SRB#1</b>	<b>SRB#2</b>	<b>SRB#3</b>	<b>SRB#4</b>
	User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel type	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 header, 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	TF0, bits	0x148 (alt 1x0)		
		TF1, bits	1x148		
	TTI, ms	10			
	Coding type	CC 1/3			
	CRC, bit	16			
	Max number of bits/TTI before rate matching	516			
	Uplink; Max number of bits/radio frame before rate matching	516			

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 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	<b>SRB#1</b>	<b>SRB#2</b>	<b>SRB#3</b>	<b>SRB#4</b>
	User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel type	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 header, 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) (note)			
	TFS	TF0, bits	0x148 (alt 1x0) (note)		
		TF1, bits	1x148		
	TTI, ms	10			
	Coding type	CC 1/3			
	CRC, bit	16			
	Max number of bits/TTI before rate matching	516			
NOTE: alternative parameters enable the measurement "transport channel BLER" in the 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		N/A (SingleTrCH)
	Minimum 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

## CHANGE REQUEST

⌘ **34.108 CR 346** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Correction to TS 34.108 Default Message Content for System Information Block type 5 (FDD) and type 6 (FDD)		
<b>Source:</b>	⌘ Anite		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 15/7/2004
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ <b>In the default Message Content for the System Information Block type 5 (FDD) and type 6 (FDD) specified in section 6.1.1, 6.1.2 and 6.1.3:</b>  a) <b>"TFCI existence"</b> is mentioned as: Not Present, Absence of this IE is equivalent to default value "TRUE"  b) <b>"Fixed or Flexible position"</b> is mentioned as: Not Present, Absence of this IE is equivalent to default value "Flexible"  TS 25.331 indicates that these IEs are "Mandatory Default". However, in the ASN for March 03 core specification the above two IE are Mandatory (present).  Thus, 34.108 section 6.1.1, 6.1.2 and 6.1.3 should be updated with respect to transmission of these IEs in the System Information Blocks type 5 and 6.
<b>Summary of change:</b>	⌘ <ol style="list-style-type: none"> <li>1. Changed the value of IE TFCI existence to TRUE (default value) in the above mentioned sections for the System Information Blocks type 5 (FDD) and type 6 (FDD).</li> <li>2. Changed the value of IE "Fixed or Flexible position" to Flexible (default value) in the above mentioned sections for System Information Blocks type 5 (FDD) and type 6 (FDD).</li> </ol>
<b>Consequences if not approved:</b>	⌘ Inconsistency will remain between the Core Specifications, Test Specifications and the TTCN.

<b>Clauses affected:</b>	⌘	6.1.1, 6.1.2, 6.1.3										
<b>Other specs affected:</b>	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N		X		X		X	Other core specifications	⌘
		Y	N									
			X									
	X											
	X											
	Test specifications											
	O&M Specifications											
<b>Other comments:</b>	⌘	Affects R99, Rel-4 and Rel-5 UEs										

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

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

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

**<< START OF MODIFIED SECTION >>**

### **6.1.1 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second SCCPCH**

Two SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and the second SCCPCH carries the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/DCCH/BCCH.

This Reference System Configuration is the same as defined in chapter 6.1, except for the following SIBs.

## 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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit

- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- 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
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "TRUE"</del> <u>TRUE (default value)</u>
- Fixed or Flexible position	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "Flexible"</del> <u>Flexible (default value)</u>
- Timing offset	Not Present Absence of this IE is equivalent to default value 0
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	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>

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>

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

<FFS>

### 6.1.2 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH, RB for CTCH + SRBs for CCCH/BCCH in the second SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the third SCCPCH (FDD only)

Three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH. The second SCCPCH carries the FACH for CTCH (Cell Broadcast Service) and the FACH for SRBs on CCCH/ BCCH for idle mode UEs. The third SCCPCH carries the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/ DCCH/ BCCH for connected mode UEs.



This Reference System Configuration is the same as defined in chapter 6.1, except for the following SIBs.

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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit

- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- 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
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCI existence	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "TRUE"</del> <u>TRUE (default value)</u>
- Fixed or Flexible position	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "Flexible"</del> <u>Flexible (default value)</u>
- Timing offset	Not Present Absence of this IE is equivalent to default value 0
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 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

- FACH/PCH information	(FACH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- 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	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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	
- Secondary CCPCH info	(SCCPCH including two FACHs)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "TRUE"</del> <u>TRUE (default value)</u>
- Fixed or Flexible position	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "Flexible"</del> <u>Flexible (default value)</u>
- Timing offset	90
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	16 (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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms

- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

### 6.1.3 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second and third SCCPCHs

Three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and both the second and third SCCPCHs carry the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/ DCCH/ BCCH.

This Reference System Configuration is the same as defined in chapter 6.1, except for the following SIBs. (SIB6 is not used in this configuration.)

#### Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Not Present
- SEG_COUNT	1
- SIB_REP	16
- SIB_POS	4
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	36
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

## Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- 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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- 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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit

- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- 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
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "TRUE"</del> <u>TRUE (default value)</u>
- Fixed or Flexible position	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "Flexible"</del> <u>Flexible (default value)</u>
- Timing offset	Not Present Absence of this IE is equivalent to default value 0
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	10 ms
- Transmission time interval	Convolutional
- Type of channel coding	1/2
- Coding Rate	220
- Rate matching attribute	16 bit
- CRC size	13 (for FACH)
- Transport Channel Identity	FALSE
- CTCH indicator	(FACH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCI existence	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "TRUE"</del> <a href="#">TRUE (default value)</a>
- Fixed or Flexible position	<del>Not Present</del> <del>Absence of this IE is equivalent to default value "Flexible"</del> <a href="#">Flexible (default value)</a>
- Timing offset	90
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	16 (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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

<FFS>

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

<FFS>

**<< END OF MODIFIED SECTION >>**

CR-Form-v7

## CHANGE REQUEST

⌘ **34.108 CR 347** ⌘ rev - ⌘ Current version: **5.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Corrections to DCCH Transport Channel Parameters for HSDPA RAB		
<b>Source:</b>	⌘ Motorola		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 15/07/2004
<b>Category:</b>	⌘ <b>D</b>	<b>Release:</b>	⌘ R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ In section 6.10.2.4.5.2.2.1.2.1, the Transport channel Paramers are for DL 3.4 KBPS SRBs for DCCH only, not for both UL and DL.
<b>Summary of change:</b>	⌘ In Section 6.10.2.4.5.2.2.1.2.1 'UL:3.4 DL: 3.4 kbps SRBs for DCCH' is changed to 'DL: 3.4 kbps SRBs for DCCH'.
<b>Consequences if not approved:</b>	⌘ Incorrect test specification.

<b>Clauses affected:</b>	⌘ 6.10.2.4.5.2.2.1.2.1										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> </table>	Y	N							Other core specifications	⌘
	Y	N									
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘ This CR applies to Rel-5 & later releases										

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

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

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

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

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

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]).

6.10.2.4.5.2.2.1.2 Transport channel parameters for DCH

6.10.2.4.5.2.2.1.2.1 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.

6.10.2.4.5.2.2.1.2.2 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 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	7.3Mbps, (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	7.3Mbps, (alt. 7.3Mbps)

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	10.2Mbps, (alt. 10.2Mbps)

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	14.4Mbps, (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)

## CHANGE REQUEST

# **TS 34.108 CR 348** # rev **-** # Current version: **5.1.0** #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# CR to TS 34.108 Rel 5; Corrections to clause 9		
<b>Source:</b>	# Ericsson		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 22/07/2004
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# Revision of T1-041168, document number added in header, other changes marked in green.
	<ol style="list-style-type: none"> <li>1. At T1#23 CR T1-040512 was approved but the changes to IE "START" are not applicable for the messages INITIAL DIRECT TRANSFER, CELL UPDATE and RRC CONNECTION RELEASE COMPLETE. These messages have always IE START as MP.</li> <li>2. At T1#23 CR T1-040931 was approved in order to get a single Rel-5 version of 34.108. This included adding "CHOICE <i>specification mode</i>" as Rel-5 to several messages in section 9.x. This change was not applicable for the message RADIO BEARER SETUP. <b>These changes were not done on all places.</b></li> <li>3. <b>The REL-5 changes to: RADIO BEARER SETUP message: AM or UM (UE Supports CS RAB for Test Loop Mode 2) were not done at the last meeting as this message was introduced by another company.</b></li> </ol>
<b>Summary of change:</b>	# <ol style="list-style-type: none"> <li>1. INITIAL DIRECT TRANSFER, CELL UPDATE and RRC CONNECTION RELEASE COMPLETE these messages are changed to check that IE START is checked to be present.</li> <li>2. IE "CHOICE <i>specification mode</i>" removed from message RADIO BEARER SETUP. <b>Done at all places in this revision.</b></li> <li>3. <b>The REL-5 changes to: RADIO BEARER SETUP message: AM or UM (UE Supports CS RAB for Test Loop Mode 2) introduced.</b></li> </ol>

**Consequences if not approved:** ☹ Ues might be FAILED during testing.

**Clauses affected:** ☹ 9

	Y	N		☹
<b>Other specs affected:</b>		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

**Other comments:** ☹ Affects R99, Rel4 and Rel5 UEs.

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Below is a brief summary:

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

## 9 Default Message Contents

### 9.1 Default Message Contents for Signalling

#### 9.1.1 Default RRC Message Contents (FDD)

This clause contains the default values of common messages, which unless indicated otherwise in specific clauses of TS 34.123-1, shall be transmitted and checked by the system simulator.

In this clause, decimal values are normally used. However, sometimes a hexadecimal value, indicated by an "H", or a binary value, indicated by a "B" is used.

The necessary L3 messages are listed in alphabetic order, with the exception of the SYSTEM INFORMATION messages, where it is the information elements which are listed in alphabetic order (this is because some information elements occur in several SYSTEM INFORMATION types).

Default SYSTEM INFORMATION:

NOTE: SYSTEM INFORMATION BLOCK TYPE 1 (except for PLMN type "GSM-MAP"), SYSTEM INFORMATION BLOCK TYPE 8, SYSTEM INFORMATION BLOCK TYPE 9, SYSTEM INFORMATION BLOCK TYPE 10, SYSTEM INFORMATION BLOCK TYPE 14, SYSTEM INFORMATION BLOCK TYPE 15 and SYSTEM INFORMATION BLOCK TYPE 16 messages are not used.

Contents of ACTIVE SET UPDATE message: AM

Information Element	Value/remark	
Message Type		
RRC transaction identifier	Arbitrarily selects one integer between 0 to 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Activation time	now	
New U-RNTI	Not Present	
CN information info	Not Present	
Maximum allowed UL TX power	Not Present – use default value	
Radio link addition information	Not Present	
Radio link removal information	Not Present	
TX Diversity Mode	None	
SSDT information	Not Present	
DPC Mode	[FFS]	REL-5

Contents of ACTIVE SET UPDATE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.

Contents of ACTIVE SET UPDATE FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Refer to test requirement

Contents of CELL UPDATE message: TM

Information Element	Value/remark	Version
Message Type		
U-RNTI	Checked to see if it is set to the following values	
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
RRC transaction identifier	Checked to see if it is absent	
Integrity check info		
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.	
START List	Checked to see if the 'CN domain identity' and 'START' IEs are present for all CN domains supported by the UE ( <del>##</del> <del>Ciphering is ON</del> ).	
- CN domain identity	Checked to see if it is one of the supported CN domains	
- START	<del>Check the presence if ciphering is on.</del> <u>This IE is checked to see if it is present.</u> The first/ leftmost bit of the bit string contains the most significant bit of the START.	
AM_RLC error indication (RB2, RB3 or RB4)	Checked to see if it is set to 'FALSE'	
AM_RLC error indication (RB>4)	Checked to see if it is set to 'FALSE'	
Cell update cause	See the specific test case	
Failure cause	Checked to see if it is absent	
RB timer indicator		
- T314 expired	Checked to see if it is set to 'FALSE'	
- T315 expired	Checked to see if it is set to 'FALSE'	
Establishment cause	See the specific test case	REL-5
Measured results on RACH	Not checked	

Contents of CELL UPDATE CONFIRM message: UM

Information Element	Value/remark	n
Message Type U-RNTI	If this message is sent on CCCH, use the following values. Else, this IE is absent.	

- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
RRC transaction identifier	Selects an arbitrary integer between 0 to 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
	SS provides the value of this IE, from its internal counter.	
- RRC message sequence number	Not Present	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	Not Present – use default value	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_FACH	
UTRAN DRX cycle length coefficient	Not Present	
RLC re-establish indicator (RB2, RB3 and RB4)	FALSE	
RLC re-establish indicator (RB5 and upwards)	FALSE	
CN information info	Not Present	
URA identity	Not Present	
RB information to release list	Not Present	
RB information to reconfigure list	Not Present	
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
UL Transport channel information common for all transport channels	Not Present	
Deleted TrCH information list	Not Present	
Added or Reconfigured TrCH information list	Not Present	
CHOICE Mode	FDD	
- CPCH set ID	Not Present	
- Added or Reconfigured TrCH information for DRAC list	Not Present	
DL Transport channel information common for all transport channels	Not Present	
Deleted TrCH information list	Not Present	
Added or Reconfigured TrCH information list	Not Present	
Frequency info	Not Present	
Maximum allowed UL TX power	Not Present	
CHOICE channel requirement	Not Present	
CHOICE mode	FDD	
- Downlink PDSCH information	Not Present	
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links	Not Present	
Downlink information per radio link list	Not Present	

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
- Message authentication code	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.
CN domain identity	CS domain or PS domain
NAS message	See Specific Message Content for each test case

Contents of HANDOVER FROM UTRAN COMMAND-GSM message: AM

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info - Message authentication code  - RRC Message sequence number Activation time RAB Info - RAB identity  - CN domain identity - NAS Synchronization Indicator - Re-establishment timer Inter-system message - CHOICE System type - Frequency Band  - CHOICE GSM message - Single GSM message	Arbitrarily selects one integer between 0 to 3  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. SS provides the value of this IE, from its internal counter. now  0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not present Use T315  GSM Set to "GSM/ PCS 1900" if GSM/ PCS 1900 is used in this test. Otherwise set to "GSM/DCS 1800 Band" Single GSM message GSM HANDOVER COMMAND formatted and coded according to GSM specifications as BIT STRING (1..512). The first/ leftmost/ most significant bit of the bit string contains bit 8 of the first octet of the GSM message. The contents of the HANDOVER COMMAND is to be defined in the specific test case.

Contents of HANDOVER FROM UTRAN FAILURE message: AM

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



Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark	Version
Message Type Integrity check info - Message authentication code  - RRC Message sequence number  CN domain identity  Intra Domain NAS Node Selector - CHOICE version - CHOICE CN type - CHOICE Routing basis - Routing parameter  - Entered parameter NAS message  START	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.  This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.  Checked to see if set to supported CN domain as specified in the IXIT statements.  R99 GSM-MAP Local (P)TMSI If the IE "CN domain identity" is equal to "CS domain", this bit string is set to bits b14 through b23 of the TMSI. If the IE "CN domain identity" is equal to "PS domain", this bit string is set to bits b14 through b23 of the P-TMSI. The TMSI/P-TMSI consists of 4 octets (32bits). This can be represented by a string of bits numbered from b0 to b31, with bit b0 being the least significant The "Routing parameter" bit string consists of bits b14 through b23 of the TMSI/ PTMSI. The first/ leftmost/ most significant bit of the bit string contains bit b23 of the TMSI/ PTMSI. Not checked Set according to that indicated in specific message content for each test case <del>Not checked (if ciphering is OFF), check the presence if ciphering is ON. This IE is checked to see if it is present.</del>	
Establishment cause	See the specific test case	REL-5
Measured results on RACH	Not checked	

Contents of MEASUREMENT CONTROL message: AM

Information Element	Value/remark
Message Type	Arbitrarily selects an unused integer between 0 to 3
RRC transaction identifier	
Integrity check info	
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	1
Measurement Identity	Setup
Measurement Command	
Measurement Reporting Mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting/Event Trigger Reporting Mode	Periodical reporting
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Not present
- New intra-frequency cell	
- Intra-frequency cell-id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN number	FALSE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Different from the Default setting in TS34.108 clause 6.1 (FDD)
- Primary CPICH Tx power	Not Present
- TX Diversity indicator	FALSE
- Cells for measurement	Not present
- Intra-frequency measurement quantity	Not Present
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- Cell synchronisation information reporting indicator	FALSE
- Cell Identity reporting indicator	TRUE
- CPICH Ec/N0 reporting indicator	FALSE
- CPICH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored set cells	
- Cell synchronisation information reporting indicator	FALSE
- Cell Identity reporting indicator	TRUE
- CPICH Ec/N0 reporting indicator	FALSE
- CPICH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Reporting cell status	
- CHOICE reported cell	Report cell within active set and/or monitored cells on used frequency
	2
- Maximum number of reported cells	Not Present
- Measurement validity	Not Present
- CHOICE report criteria	Periodic reporting criteria
- Amount of reporting	Infinity
- Reporting interval	64 sec
DPCH Compressed mode status info	Not Present

Contents of MEASUREMENT CONTROL FAILURE message: AM

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

Contents of MEASUREMENT REPORT message: AM

Information Element	Value/remark	Version
Message Type		
Integrity check info		
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.	
Measurement identity	1	
Measured Results		
- Intra-frequency measured results		
- Cell measured results		
- Cell Identity	Not present	
- Cell synchronisation information	Checked that this IE is absent	
- Primary CPICH info		
- Primary scrambling code	Different from the Default setting in TS34.108 clause 6.1 (FDD)	
- CPICH Ec/N0	Checked that this IE is absent	
- CPICH RSCP	Checked that this IE is present	
- Pathloss	Checked that this IE is absent	
Measured results on RACH	Checked that this IE is absent	
Additional measured results	Checked that this IE is absent	
Event results	Checked that this IE is absent	
		REL-4
GSM OTD reference cell	Checked that this IE is absent	REL-4

Contents of PAGING TYPE 1 message: TM (Speech in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Conversational Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (The others of speech in CS)

Information Element	Value/remark
Message Type Paging record list - Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Streaming Call CS domain  Set to the same octet string as in the IMSI stored in the USIM card Not Present

Contents of PAGING TYPE 1 message: TM (Packet in PS)

Information Element	Value/remark
Message Type Paging record list - Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - P-TMSI BCCH modification info	CN identity Terminating Interactive Call PS domain  Use P-TMSI allocated by SS at initial attach. Not Present

Contents of PAGING TYPE 1 message: TM (SMS in CS)

Information Element	Value/remark
Message Type Paging record list - Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Low Priority Signalling CS domain  Set to the same octet string as in the IMSI stored in the TEST USIM card Not Present

Contents of PAGING TYPE 1 message: TM (SMS in PS)

Information Element	Value/remark
Message Type Paging record list - Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Low Priority Signalling PS domain  Set to the same octet string as in the IMSI stored in the TEST USIM card Not Present

## Contents of PAGING TYPE 2 message: AM (Speech in CS)

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info - message authentication code  - RRC message sequence number Paging cause CN domain identity Paging record type identifier	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Terminating Conversational Call CS domain Select the same type as in the IE "Initial UE Identity" in RRC CONNECTION REQUEST" message.

## Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM

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 - message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256	
Activation time	A4, A5, A6, A7, A8, A9, A10	Not Present	
New U-RNTI		Not Present	
New C-RNTI	A1, A2, A3, A4, A7, A8, A9, A10	Not Present	
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9, A10	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9, A10	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
RRC State indicator	A7, A8	URA_PCH	
RRC State indicator	A9, A10	CELL_PCH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6	Not Present	
UTRAN DRX cycle length coefficient	A7, A8, A9, A10	3	
CN information info		Not Present	
URA identity		Not Present	
Downlink counter synchronisation info		Not Present	
Frequency info	A1, A2, A3, A4, A5		
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies	
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies	
Frequency info	A6, A7, A8, A9, A10	Not Present	
Maximum allowed UL TX power		33dBm	
CHOICE <i>channel requirement</i>	A5, A6, A7, A8, A9, A10	Not Present	
CHOICE <i>channel requirement</i>	A1, A2, A3, A4	Uplink DPCH info	
- Uplink DPCH power control info		-80dB (i.e. ASN.1 IE value of -40)	
- DPCCH power offset		1 frame	
- PC Preamble		7 frames	
- SRB delay		Algorithm1	
- Power Control Algorithm		1dB	
- TPC step size			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li>   <li>- TFCI existence</li>   <li>- Number of FBI bit</li>   <li>- Puncturing Limit</li> </ul>		Not Present Not Present Not Present Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	REL-5 REL-5 REL-5
CHOICE Mode  <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1, A2, A3, A4, A5, A6, A7, A8, A9, A10	FDD  Not Present	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6, A7, A8, A9, A10	Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A1, A2, A3	Maintain Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Not Present	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A4	Initialise Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Arbitrary set to value 0..306688 by step of 512	

Information Element	Condition	Value/remark	Version
- MAC-hs reset indicator		Not Present	REL-5
Downlink information common for all radio links	A5, A6, A7, A8, A9, A10	Not Present	
Downlink information for each radio links - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor  - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH	A1, A2,A3	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  FDD Primary CPICH may be used  Set to value : Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  5 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
Downlink information for each radio links - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor  - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH	A4	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  FDD Primary CPICH may be used  Set to value : Default DPCH Offset Value mod 38400 Not Present  5 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - SCCPCH Information for FACH	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not Present Not Present	REL-5
- Downlink information for each radio link	A6, A7, A8, A9, A10	Not Present	



Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Packet to URA_PCH from CELL_FACH in PS"
A8	This IE need for "Packet to URA_PCH from CELL_DCH in PS"
A9	This IE need for "Packet to CELL_PCH from CELL_FACH in PS"
A10	This IE need for "Packet to CELL_PCH from CELL_DCH in PS"

Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM

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

Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM

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

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, A9		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 MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3, A9	(256+CFN-(CFN MOD 8 + 8))MOD 256	REL-5
Activation time	A4, A5, A6, A7, A8	Not Present	
New U-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9	Not Present	REL-5
New C-RNTI	A1, A2, A3, A4, A7, A8, A9	Not Present	REL-5
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9	Not Present	REL-5
New H-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	REL-5
New H-RNTI	A9	'1010 1010 1010 1010'	REL-5
RRC State indicator	A1, A2, A3, A4, A7, A8, A9	CELL_DCH	REL-5
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6, A7, A8, A9	Not Present	REL-5
CN information info		Not Present	
URA identity		Not Present	
<del>CHOICE specification mode</del>		<del>Complete specification</del>	<del>REL-5</del>
<del>-Complete specification</del>			<del>REL-5</del>
<del>-- Signalling RB information to setup</del>		Not Present	
- RAB information for setup - RAB info - RAB identity	A1, A7	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity		CS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT314	
- RB information to setup			
- RB identity		10	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<ul style="list-style-type: none"> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>1</li> <li>Not Present</li> <li>Configured</li> <li>7</li> <li>1</li> <li>DCH</li> <li>6</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>- RAB information for setup</li> <li>- RAB info</li> <li>- RAB identity</li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> </ul>	<ul style="list-style-type: none"> <li>A2, A8</li> </ul>	<ul style="list-style-type: none"> <li>0000 0001B</li> <li>The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.</li> <li>CS domain</li> <li>Not Present</li> <li>useT314</li> <li>10</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>6</li> <li>Not Present</li> <li>Not Present</li> <li>11</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> </ul>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<ul style="list-style-type: none"> <li>2</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>7</li> <li>Not Present</li> <li>Not Present</li> <li>12</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>3</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>8</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>- RAB information for setup</li> <li>- RAB info</li> <li>- RAB identity</li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> </ul>	<ul style="list-style-type: none"> <li>A3, A4, A5, A6</li> </ul>	<ul style="list-style-type: none"> <li>(AM DTCH for PS domain)</li> <li>0000 0101B</li> <li>The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.</li> <li>PS domain</li> <li>Not Present</li> <li>useT315</li> <li>20</li> <li>FALSE</li> <li>Not present</li> <li>Absent</li> <li>Not present</li> <li>RLC info</li> <li>AM RLC</li> <li>No Discard</li> <li>15</li> <li>128</li> <li>500</li> <li>4</li> <li>200</li> <li>200</li> <li>Not Present</li> <li>1</li> <li>TRUE</li> <li>TRUE</li> </ul>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>DCH</p> <p>6</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>7</p> <p>Explicit list</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>8</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>7</p>	
<ul style="list-style-type: none"> <li>- RAB information for setup</li> <li>- RAB info</li> <li>- RAB identity</li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> </ul>	A9	<p>(high-speed AM DTCH for PS domain)</p> <p>0000 0110B</p> <p>The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.</p> <p>PS domain</p> <p>Not Present</p> <p>useT315</p> <p>23</p> <p>FALSE</p> <p>Not present</p> <p>Absent</p> <p>Not present</p> <p>RLC info</p> <p>AM RLC</p> <p>No Discard</p> <p>15</p> <p>128</p> <p>500</p> <p>4</p>	REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<p>100</p> <p>100</p> <p>Not Present</p> <p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>768</p> <p>100</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>3 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>DCH</p> <p>6</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>HS-DSCH</p> <p>Not Present</p> <p>Not Present</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>7</p> <p>Explicit list</p> <p>Reference to TS34.108 clause 6</p> <p>Parameter Set</p> <p>8</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>7</p>	
<p>RB information to be affected</p>	<p>A1, A2, A3, A4, A5, A6, A7, A8</p>	<p>Not Present</p>	

Information Element	Condition	Value/remark	Version
Downlink counter synchronisation info	, A9 A1, A2, A3, A4, A5, A6, A7, A8 , A9	Not Present	REL-5  REL-5
UL Transport channel information for all transport channels  - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size  - CTFC information  - CTFC  - Power offset information - CHOICE Gain Factors  - Gain factor $\beta_c$  - Gain factor $\beta_d$  - Reference TFC ID - CHOICE mode - Power offset $P_{p-m}$	A1, A2, A3, A4, A5, A6, A7, A8 , A9	Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set  Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 0 FDD Not Present Not Present	REL-5
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6, A7, A8 , A9	Not Present	REL-5
Added or Reconfigured UL TrCH information	A1, A3 A4, A5, A6, A7 , A9	1 DCH added, 1 DCH reconfigured  DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10	REL-5  REL-5
- Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval  - Type of channel coding			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>		<p>Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> </ul>	<p>A2, A8</p>	<p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p>	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>		<p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH 2</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH 3</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>CHOICE <i>mode</i></p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	<p>A1, A2, A3, A4, A5, A6, A7, A8, A9</p>	<p>FDD</p> <p>Not Present Not Present</p>	<p>REL-5</p>
<p>DL Transport channel information common for all transport channel</p>	<p>A1, A2, A7, A8</p>		

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>		Not Present FDD SameasUL	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	A3, A4, A5, A6, A9	Not Present FDD Explicit  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present	REL-5
Deleted DL TrCH information  Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A1, A2, A3, A4, A5, A6, A7, A8, A9  A1	Not Present  1 DCH added, 1 DCH reconfigured DCH 6 Same as UL DCH 1  -2.0 DCH 10 Same as UL DCH 5  -2.0	REL-5
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> </ul>	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5  -2.0 DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set All	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul> <p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> </ul> <ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> </ul> <ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li> </ul>	<p>A2, A8</p>	<p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>-2.0</p> <p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH)</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>2.0</p> <p>DCH</p> <p>6</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Not Present</p> <p>DCH</p> <p>7</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		<p>Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Not Present DCH 8 Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Not Present</p>	
<p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters                             <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul> </li> <li>- DCH quality target                             <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> </ul>	<p>A9</p>	<p>3 TrCHs (DCH for DCCH and DCH plus HS-DSCH for DTCH) DCH 10 Same as UL DCH 5</p> <p>-2.0 DCH 6 Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	<p>REL-5</p>

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CRC size</li> <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                             <ul style="list-style-type: none"> <li>- HARQ Info                                     <ul style="list-style-type: none"> <li>- Number of Processes</li> <li>- CHOICE <i>Memory Partitioning</i></li> </ul> </li> <li>- Added or reconfigured MAC-d flow                                     <ul style="list-style-type: none"> <li>- MAC-hs queue to add or reconfigure list</li> <li>- MAC-hs queue Id</li> <li>- MAC-d Flow Identity</li> <li>- T1</li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info   <ul style="list-style-type: none"> <li>- MAC-d PDU size</li> <li>- MAC-d PDU size index</li> </ul> </li> <li>- MAC-hs queue to delete list</li> </ul> </li> <li>- DCH quality target</li> </ul> </li> </ul>		Parameter Set Reference to TS34.108 clause 6.10 Parameter Set  -2.0 HS-DSCH Not Present HS-DSCH  6 Implicit  (one queue)  0 0 50 16  336 0 Not present Not present	
Frequency info  <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1, A2, A3, A4, A5, A7, A8, A9	Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.	REL-5
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1, A2, A3, A4, A7, A8, A9	33dBm	REL-5
Maximum allowed UL TX power	A5, A6	Not Present	
CHOICE channel requirement  <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- DPCCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size                             <ul style="list-style-type: none"> <li>- <math>\Delta_{NACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> </ul> </li> <li>- Ack-Nack repetition factor</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul>	A1, A2, A3, A4, A7, A8	Uplink DPCH info  -80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	REL-5 REL-5 REL-5
CHOICE channel requirement	A9	Uplink DPCH info	REL-5
<ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- DPCCH power offset</li> </ul>		-6dB	

Information Element	Condition	Value/remark	Version
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
- TPC step size		1dB	
- $\Delta_{ACK}$		3	
- $\Delta_{NACK}$		3	
- Ack-Nack repetition factor		1	
- Scrambling code type		Long	
- Scrambling code number		0 (0 to 1677215)	
- Number of DPDCH		Not Present(1)	
- spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter Set	
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE channel requirement	A5,A6	Not Present	
CHOICE Mode	A1, A2, A3, A4, A5, A6, A7, A8 , A9	FDD	REL-5
- Downlink PDSCH information		Not Present	
Downlink information common for all radio links	A1, A2, A3		
- Downlink DPCH info common for all RL		Maintain	
- Timing indicator		Not Present	
- CFN-targetSFN frame offset			
- Downlink DPCH power control information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset $P_{Pilot-DPDCH}$		0	
- DL rate matching restriction information		Not Present	
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
Downlink information common for all radio links	A9		REL-5
- Downlink DPCH info common for all RL			
- Timing indicator		Maintain	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset $P_{Pilot-DPDCH}$		0	
- DL rate matching restriction information		Not Present	
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set	

Information Element	Condition	Value/remark	Version
- CHOICE mode		FDD	
- DPCH compressed mode info		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 - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor  - Fixed or Flexible Position  - TFCI existence  - CHOICE SF  - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value	A4,A7,A8	Initialise Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	REL-5
Downlink HS-PDSCH Information - HS-SCCH Info - CHOICE mode - DL Scrambling Code - HS-SCCH Channelisation Code Information - HS-SCCH Channelisation Code - Measurement Feedback Info - CHOICE mode - POhsdsch - CQI Feedback cycle, k - CQI repetition factor - $\Delta_{CQI}$  - CHOICE mode	A9	FDD  1  FDD 6 dB 4 ms 1 5 (corresponds to 0dB in relative power offset) FDD (no data)	REL-5
Downlink information common for all radio links	A5,A6	Not Present	
Downlink information for each radio link list  - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - DL channelisation code - Secondary scrambling code	A1, A2, A3, A4, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  1	REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	
Downlink information for each radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH information for FACH</li> </ul>	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not present Not Present	REL-5
Downlink information for each radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A9	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present TRUE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  1 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
Downlink information for each radio link list	A6	Not Present	

Condition	Explanation	Version
A1	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"	
A2	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"	
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"	
A7	This IE need for "Non speech to CELL_DCH from CELL_FACH in CS"	
A8	This IE need for "Speech to CELL_DCH from CELL_FACH in CS"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH from CELL_DCH in PS"	REL-5



Contents of RADIO BEARER SETUP COMPLETE message: AM

Message Type RRC transaction identifier  Integrity check info - Message authentication code  - RRC Message sequence number  Uplink integrity protection activation info CHOICE mode START  COUNT-C activation time   Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.  This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Not checked. FDD Not checked (if ciphering is OFF), check the presence if ciphering is ON. The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER SETUP message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER SETUP message established the first RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent. Not checked Not present
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Contents of RADIO BEARER SETUP FAILURE message: AM

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

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark	Version
Message Type	A1,A2,A3, A4,A5,A6	Arbitrarily selects an integer between 0 and 3	
RRC transaction identifier			
Integrity check info - message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1,A2,A3	(256+CFN-(CFN MOD 8 + 8))MOD 256	
Activation time	A4, A5,A6	Not Present	
New U-RNTI		Not Present	
New C-RNTI	A1, A2, A3, A4,	Not Present	
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6	Not Present	
CN information info		Not Present	
URA identity		Not Present	
CHOICE specification mode		[FFS]	REL-5
RAB information to reconfigure list		Not Present	
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present Not Present (TM DTCH) 10 Not Present	
- RB information to reconfigure			
- RB identity			
- PDCP info			
- PDCP SN info			
- RLC info			
- RB mapping info			
- RB stop/continue			
- RB information to reconfigure			
- RB identity			
- PDCP info			
- PDCP SN info			
- RLC info			
- RB mapping info			
- RB stop/continue			
- RB information to reconfigure			
- RB identity			
- PDCP info			
- PDCP SN info			
- RLC info			
- RB mapping info			
- RB stop/continue			
- RB information to reconfigure			
- RB identity			
- PDCP info			
- PDCP SN info			
- RLC info			
- RB mapping info			
- RB stop/continue			
- RB information to reconfigure			
- RB identity			
- PDCP info			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>		Not Present Not Present Not Present Not Present	
RB information to reconfigure list  <ul style="list-style-type: none"> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>	A2	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 10 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 11 Not Present Not Present Not Present Not Present Not Present (TM DTCH) (This IE is needed for 12.2 kbps and 10.2 kbps) 12 Not Present Not Present Not Present Not Present Not Present	
RB information to reconfigure list  <ul style="list-style-type: none"> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> </ul>	A3,A4,A5, A6	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>		Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (AM DTCH) 20 Not Present Not Present Not Present Not Present Not Present	
RB information to be affected	A1, A2, A3,A4,A5, A6	Not Present	
UL Transport channel information for all transport channels	A1, A2, A5,A6	Not Present	
UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> </ul>	A3, A4	Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set  Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul>		Factors) 0 FDD Not Present	
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6	Not Present	
Added or Reconfigured UL TrCH information  Added or Reconfigured UL TrCH information  <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	A1, A2, A5, A6, A4	Not Present  2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul>	A3	(DCH for DTCH) DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>		Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	A1,A2,A3,A4,A5,A6	FDD  Not Present Not Present	
DL Transport channel information common for all transport channel	A1, A2, A5, A6	Not Present	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	A3,A4	Not Present FDD Explicit  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present	
Deleted DL TrCH information	A1, A2, A3, A4, A5,A6	Not Present	
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present	
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- Semi-static Transport Format information</li> </ul>	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5  Not Present DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0	
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A3	DCH 6 Explicit Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0	
Preconfiguration	A1,A2,A3, A4,A5,A6	[FFS]	REL-5
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies	
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1,A2,A3, A4,A5,A6	33dBm	
CHOICE channel requirement <ul style="list-style-type: none"> <li>-Uplink DPCH power control info</li> <li>- DPCCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> </ul>	A1, A2, A3, A4	Uplink DPCH info -80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set	REL-5 REL-5 REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE channel requirement	A5, A6	Not Present	
CHOICE Mode	A1,A2,A3, A4,A5,A6	FDD	
<ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>		Not Present	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6	Not Present	REL-5
Downlink information common for all radio links	A5, A6	Not Present	
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{\text{Pilot-DPCH}}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A1, A2, A3	Maintain Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Not Present	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{\text{Pilot-DPCH}}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A4	Initialise Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Present Arbitrary set to value 0..306688 by step of 512	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information per radio link list <ul style="list-style-type: none"> <li>-Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> </ul>	A1, A2, A3	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Secondary CPICH info</li> <li>- Secondary scrambling code</li> <li>- channelisation code</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		Not Present FALSE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
Downlink information per radio link list -Downlink information for each radio link <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Secondary CPICH info</li> <li>- Secondary scrambling code</li> <li>- channelisation code</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A4	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value : Default DPCH Offset Value mod 38400 Not Present  2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH Information for FACH</li> </ul>	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not present Not Present	REL-5
- Downlink information for each radio link	A6	Not Present	

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

Contents of RADIO BEARER RECONFIGURATION FAILURE message: AM

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

Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM

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

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		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 MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3, A7, A8, A9	(256+CFN-(CFN MOD 8 + 8))MOD 256	REL-5
Activation time New U-RNTI	A4, A5, A6	Not Present Not Present	
New C-RNTI	A1,A2,A3, A4, A9	Not Present	REL-5
New C-RNTI	A5, A6, A7, A8	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9	Not Present	REL-5
RRC State indicator	A1,A2, A3, A4, A9	CELL_DCH	REL-5
RRC State indicator	A5, A6, A7, A8	CELL_FACH	
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8, A9	Not Present	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 - RB identity	A1,A2, A7, A8	10	
RB information to release - RB identity	A2, A8	11	
RB information to release - RB identity	A2, A8	12	
RB information to release - RB identity	A3, A4, A5, A6	20	
RB information to release - RB identity	A9	23	REL-5
RB information to be affected	A1,A2, A3,A4,A5, A6, A7, A8, A9	Not Present	REL-5
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8, A9	Not Present	REL-5

Information Element		Value/remark	Version
UL Transport channel information for all transport channels	A1, A2, A3, A4, A5, A6, A7, A8, A9	TFCS reconfigured to fit the new transport channel configuration.	REL-5
Deleted UL TrCH Information  - Uplink transport channel type - Transport channel identity	A1,A2, A3, A4, A5, A6, A7, A8, A9	DCH 1	REL-5
Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity	A2, A8	DCH 2	
Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity	A2, A8	DCH 3	
Added or Reconfigured UL TrCH information	A5, A6, A7, A8	Not Present	
Added or Reconfigured UL TrCH information	A1, A2, A3, A4, A9	TrCHs(DCH for DCCH )	REL-5
- Uplink transport channel type		DCH	
- UL Transport channel identity		5	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format information			
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- CHOICE Logical Channel list		All	
- Semi-static Transport Format information			
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Coding Rate		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- CRC size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
DL Transport channel information for all transport channels	A1, A2, A3, A4, A5, A6, A7, A8, A9	TFCS reconfigured to fit the new transport channel configuration.	REL-5
Deleted DL TrCH Information  - Downlink transport channel type - Transport channel identity	A1, A2, A3, A4, A5, A6, A7, A8, A9	DCH 6	REL-5

Information Element		Value/remark	Version
Deleted DL TrCH Information - Downlink transport channel type - Transport channel identity	A2, A8	DCH 7	
Deleted DL TrCH Information - Downlink transport channel type - Transport channel identity	A2, A8	DCH 8	
Deleted DL TrCH Information - Downlink transport channel type - DL HS-DSCH MAC-d flow identity	A9	HS-DSCH 0	REL-5
Added or Reconfigured DL TrCH information	A5, A6, A7, A8	Not Present	
Added or Reconfigured DL TrCH information	A1, A2, A3, A4 , A9	1 TrCHs(DCH for DCCH)	REL-5
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		Not Present	
Frequency info  - UARFCN uplink (Nu)  - UARFCN downlink (Nd)	A1,A2,A3, A4,A5, A7, A8 , A9	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies 33dBm	REL-5
Maximum allowed UL TX power			
Frequency info	A6	Not Present	
CHOICE <i>channel requirement</i>	A5, A6, A7, A8	Not Present	
CHOICE channel requirement  - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - $\Delta_{ACK}$ - $\Delta_{NACK}$ - Ack-Nack repetition factor - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor  - TFCI existence  - Number of FBI bit  - Puncturing Limit	A1,A2,A3, A4 , A9	Uplink DPCH info  -80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 Not Present Not Present Not Present 1dB Long 0 (0 to 1677215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	REL-5  REL-5 REL-5 REL-5
CHOICE Mode  - Downlink PDSCH information	A1,A2,A3, A4,A5,A6, A7, A8 , A9	FDD  Not Present	REL-5
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6, A7, A8, A9	Not Present	REL-5
Downlink information common for all radio links	A5, A6,	Not Present	

Information Element		Value/remark	Version
	A7, A8		
Downlink information common for all radio links  <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>Pilot-DPCH</sub></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A1,A2, A3 , A9	Maintain Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Not Present	REL-5
		Not Present	REL-5
Downlink information common for all radio links  <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>Pilot-DPCH</sub></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A4	Initialise Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Arbitrary set to value 0..306688 by step of 512	
		Not Present	REL-5
Downlink information for each radio link list  <ul style="list-style-type: none"> <li>-Downlink information for each radio link                             <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li>   <li>- Secondary CPICH info</li> <li>- Secondary scrambling code</li> <li>- channelisation code</li> </ul> </li> </ul>	A1,A2,A3 , A9	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present	REL-5           REL-5

Information Element		Value/remark	Version
<ul style="list-style-type: none"> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		3 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	
Downlink information for each radio link list -Downlink information for each radio link <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li>   <li>- Secondary CPICH info</li> <li>- Secondary scrambling code</li> <li>- channelisation code</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A4	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value : Default DPCH Offset Value mod 38400 Not Present  3 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH information for FACH</li> </ul>	A5, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not present Not Present	REL-5
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	A6	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 from CELL_DCH / HS-DSCH in PS"	REL-5

## Contents of RADIO BEARER RELEASE COMPLETE message: AM

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

## Contents of RADIO BEARER RELEASE FAILURE message: AM

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

## Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark	Version
Message Type		
Predefined configuration status information	To be checked against requirement if specified	REL-5
Initial UE identity - CHOICE UE id type - TMSI and LAI (GSM-MAP)	Set to the UE's TMSI and LAI.	
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	
		REL-4
Access stratum release indicator	To be checked against requirement if specified	REL-4

## 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	0
Redirection info	Not Present



## Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
Message Type		
U-RNTI	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent. 0000 0000 0001B	R99, REL-4
- SRNC identity		
- S-RNTI	0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	REL-5
- U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
- Group identity	[FFS]	
- Group release information	[FFS]	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info	This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted. 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.	
- Message authentication code		
- 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 RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION RELEASE message.
Integrity check info	
- Message authentication code	Checked to see if it's identical to the value of XMAC-I calculated by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	Checked to see if it is present. This number is used by the SS to compute the XMAC-I
Error indication	Not checked

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL\_DCH)

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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	TRUE	
- UE radio access TDD capability update requirement	FALSE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type		
- RLC info		
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Explicit List	
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- Signalling RB information to setup	(AM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type		
- RLC info		
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- SDU discard mode	No discard	
- MAX_DAT	15	
- Transmission window size	32	

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

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

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list                             <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>5</p> <p>4</p> <p>Configured</p> <p>4</p> <p>1</p> <p>DCH</p> <p>10</p> <p>Not Present</p> <p>4</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>4</p> <p>Explicit List</p> <p>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p> <p>4</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>4</p>	
<p>UL Transport channel information for all transport channels</p>		
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE Mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> </ul>	<p>Not Present</p> <p>FDD</p> <p>Nor Present</p> <p>Normal</p> <p>Complete</p> <p>2bit CTFC</p> <p>This IE is repeated for TFC numbers according to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p> <p>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p> <p>Computed Gain Factors (The last TFC is set to Signalled Gain Factors)</p> <p>11 (below 64 kbps)</p> <p>9 (higher than 64 kbps)</p> <p>(Not Present if the above is set to Computed Gain Factors)</p> <p>15</p> <p>(Not Present if the above is set to Computed Gain Factors)</p> <p>0</p> <p>FDD</p> <p>Not Present</p>	
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC size</li> <li>- Number of TBs and TTI lists</li> </ul>	<p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p> <p>(This IE is repeated for TFI number)</p>	

Information Element	Value/remark	Version
- Transmission Time Interval	According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Number of Transport blocks	According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- CHOICE Logical channel list	All	
- Semi-static Transport Format information		
- Transmission time interval	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Type of channel coding	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Coding Rate	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Rate matching attribute	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- CRC size	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Same as UL	
Added or Reconfigured DL TrCH information		
- Downlink transport channel type	DCH	
- DL Transport channel identity	10	
- CHOICE DL parameters	Same as UL	
- Uplink transport channel type	DCH	
- UL TrCH Identity	5	
- DCH quality target		
- BLER Quality value	-2.0	
Frequency info	Not Present	
Maximum allowed UL TX power	Not Present	
Uplink DPCH info		
- Uplink DPCH power control info		
- DPCH power offset	-80dB (i.e. ASN.1 IE value of -40)	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- Scrambling code type	Long	
- Scrambling code number	0 (0 to 16777215)	
- Number of DPDCH	Not Present(1)	
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- TFCI existence	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Number of FBI bit	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Puncturing Limit	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
Downlink information common for all radio links		
- Downlink DPCH info common for all RL		
- Timing Indication	Initialise	
- CFN-targetSFN frame offset	Not Present	
- CHOICE mode	FDD	
- Downlink DPCH power control information		
- DPC mode	0 (single)	
- Power offset $P_{Pilot-DPCH}$	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Fixed or Flexible Position	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- TFCI existence	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- CHOICE SF	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- DPCH compressed mode info	Not Present	

Information Element	Value/remark	Version
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512	
Downlink information for each radio links list		
- Downlink information for each radio links		
- CHOICE mode	FDD	
- Primary CPICH info		
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	1	
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)	
- Code number	0	
- Scrambling code change	Not Present	
- TPC combination index	0	
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	
- SCCPCH information for FACH	Not Present	

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH)

Information Element	Value/remark	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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	0000 0000 0000 0001B	
RRC state indicator	CELL_FACH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	TRUE	
- UE radio access TDD capability update requirement	FALSE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not present	
- SDU discard mode	Not present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	

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



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

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<ul style="list-style-type: none"> <li>RLC info</li> <li>AM RLC</li> <li>No Discard</li> <li>15</li> <li>32</li> <li>500</li> <li>1</li> <li></li> <li>200</li> <li>200</li> <li>Not Present</li> <li>1</li> <li>TRUE</li> <li>TRUE</li> <li>99</li> <li>Not Present</li> <li>AM RLC</li> <li>TRUE</li> <li>32</li> <li></li> <li>200</li> <li>Not Present</li> <li>TRUE</li> <li>Not Present</li> <li>2 RBMuxOptions</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>5</li> <li>4</li> <li>Configured</li> <li>4</li> <li>1</li> <li>DCH</li> <li>10</li> <li>Not Present</li> <li>4</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>4</li> <li>Explicit list</li> <li>According to TS34.108 clause 6.10.2.4.4.1</li> <li>4</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>4</li> </ul>	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE Mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>FDD</li> <li>Not Present</li> <li></li> <li>Normal</li> <li></li> <li>Complete</li> <li></li> <li>2bit CTFC</li> <li>This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps</li> </ul>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> </ul> <p>Added or Reconfigured TrCH information list</p> <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information                             <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> </ul> </li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul> <p>DL Transport channel information common for all transport channel</p> <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul> <p>Added or Reconfigured TrCH information list</p> <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information                             <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink Transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> </ul> </li> </ul> <p>Frequency info</p> <p>Maximum allowed UL TX power</p> <p>CHOICE channel requirement</p> <p>Downlink information common for all radio links</p> <p>Downlink information for each radio link list</p>	<p>signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p> <p>Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors) 15 (Not Present if the above is set to Computed Gain Factors) 0 FDD Not Present TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"</p> <p>DCH 5</p> <p>Dedicated transport channels</p> <p>Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16). List with single entry Not Present 0 ALL</p> <p>40 ms Convolutional 1/3 160 16</p> <p>Not Present FDD Same as UL TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"</p> <p>DCH 10 Same as UL DCH 5 Not Present</p> <p>Not present Not present Not Present Not Present Not present</p>	

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	<del>Not checked (if ciphering is OFF), check the presence if ciphering is ON.</del> <u>This IE is checked to see if it is present.</u>
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

Contents of RRC STATUS message: AM

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

Contents of SECURITY MODE COMMAND message: AM

Information Element	Condition	Value/remark
<p>Message Type</p> <p>RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> <li>- Message authentication code</li> <li>- RRC Message Sequence Number</li> </ul> <p>Security capability</p> <ul style="list-style-type: none"> <li>- Ciphering algorithm capability</li> <li>- UEA0</li> <li>- UEA1</li> <li>- Spare</li> <li>- Integrity protection algorithm capability</li> <li>- UIA1</li> <li>- Spare</li> </ul> <p>Ciphering mode info</p> <ul style="list-style-type: none"> <li>- Ciphering mode command</li> <li>- Ciphering algorithm</li> <li>- Ciphering activation time for DPCH</li> <li>- Radio bearer downlink ciphering activation time info</li> <li>- Radio bearer activation time</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> </ul> <p>Integrity protection mode info</p> <ul style="list-style-type: none"> <li>- Integrity protection mode command</li> <li>- Downlink integrity protection activation info</li> <li>- Integrity protection algorithm</li> <li>- Integrity protection initialisation number</li> </ul> <p>CN domain identity</p> <p>UE system specific security capability</p>	<p>A1, A2</p> <p>A1</p> <p>A2</p>	<p>Arbitrarily selects an integer between 0 and 3</p> <p>Set to MAC-I value computed by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.</p> <p>Set to an arbitrarily selected integer between 0 and 15</p> <p>If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.</p> <p>If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.</p> <p>Spare 2-15 = FALSE</p> <p>0000000000000010B (UIA1)</p> <p>TRUE</p> <p>Spare 0 and Spare 2-15 = FALSE</p> <p>This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.</p> <p>Start/restart</p> <p>UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.</p> <p>Not Present</p> <p>1 Current RLC SN</p> <p>2 Current RLC SN+2</p> <p>3 Current RLC SN</p> <p>4 Current RLC SN</p> <p>Start Not Present UIA1 SS selects an arbitrary 32 bits number for FRESH CS or PS Not Checked</p> <p>GSM</p> <p>The indicated algorithms must be the same as the algorithms supported by the UE as indicated in the IE " UE system specific capability " in the RRC CONNECTION SETUP COMPLETE message.</p>

Condition	Explanation
A1	UE not supporting GSM
A2	UE supporting GSM

Contents of SECURITY MODE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink SECURITY MODE COMMAND message.
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE COMMAND message, this IE must be absent. Else, SS checks this IE for the presence of activation times for all ciphered uplink RLC-UM and RLC-AM RBs.

Contents of SECURITY MODE FAILURE message: AM

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

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

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			
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3	(256+CFN-(CFN MOD 8 + 8))MOD 256	
Activation time	A4, A5, A6	Not Present	
New U-RNTI		Not Present	
New C-RNTI	A1, A2, A3, A4	Not Present	

Information Element	Condition	Value/remark	Version
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6	Not Present	
CN information info		Not Present	
URA identity		Not Present	
Downlink counter synchronisation info		Not Present	
UL Transport channel information for all transport channels	A1, A2, A5, A6	Not Present	
UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size  - CTFC information  - CTFC  - Power offset information - CHOICE Gain Factors  - Gain factor $\beta_c$  - Gain factor $\beta_d$  - Reference TFC ID - CHOICE mode - Power offset P <sub>p-m</sub>	A3, A4	Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set  Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 0 FDD Not Present	
Added or Reconfigured UL TrCH information	A1, A2, A5, A6	Not Present	

Information Element	Condition	Value/remark	Version
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	<p>A4</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li> </ul>	<p>A3</p>	<p>(DCH for DTCH) DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10</p>	





Information Element	Condition	Value/remark	Version
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5  Not Present DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set  -2.0	
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A3	DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set  -2.0	
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test	

Information Element	Condition	Value/remark	Version
		frequencies	
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1,A2,A3, A4,A5,A6	33dBm	
CHOICE <i>channel requirement</i>	A5, A6	Not Present	
CHOICE channel requirement  <ul style="list-style-type: none"> <li>-Uplink DPCH power control info</li> <li>- DPCCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li>   <li>- TFCI existence</li>   <li>- Number of FBI bit</li>   <li>- Puncturing Limit</li> </ul>	A1, A2, A3, A4	Uplink DPCH info  -80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	REL-5 REL-5 REL-5
CHOICE Mode  <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD  Not Present	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6	Not Present	REL-5
Downlink information common for all radio links	A5, A6	Not Present	
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A1, A2, A3	Maintain Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Not Present	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> </ul>	A4	Initialise Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>		Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Arbitrary set to value 0..306688 by step of 512	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information for each radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio links</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Power offset <math>P_{Pilot-DPDCH}</math></li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A1, A2, A3	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400 0 Not Present  4 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
Downlink information for each radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio links</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Power offset <math>P_{Pilot-DPDCH}</math></li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A4	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value: Default DPCH Offset Value mod 38400 0 Not Present  4 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> </ul>	A5	FDD	

Information Element	Condition	Value/remark	Version
- Primary CPICH info - Primary scrambling code		Ref. to the Default setting in TS34.108 clause 6.1 (FDD)	REL-5
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link indicator		FALSE	
- Downlink DPCH info for each RL		Not present	
- SCCPCH information for FACH		Not Present	
- Downlink information for each radio link	A6	Not Present	

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

Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM

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

Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM

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

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL\_DCH)

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	
Integrity check info	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. SS provides the value of this IE, from its internal counter.
- Message authentication code	
- RRC Message sequence number	
CHOICE mode	FDD
DPCH/PUSCH TFCS in Uplink	Allowed transport format combination list
- CHOICE <i>Subset representation</i>	
- Allowed Transport format combination	0 (The TFC is constructed from ALL TF0)
Activation time for TFC subset	Not Present
TFC Control duration	Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	
Integrity check info	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. SS provides the value of this IE, from its internal counter.
- Message authentication code	
- RRC Message sequence number	
Capability update requirement	TRUE
- UE radio access FDD capability update requirement	
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

Contents of UE CAPABILITY INFORMATION message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink UE CAPABILITY ENQUIRY message.
Integrity check info	
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
UE radio access capability	Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
- Access stratum release indicator	
- PDCP Capability	
- RLC Capability	
- Transport channel capability	
- RF Capability FDD	
- RF Capability TDD	
- Physical channel capability	
- UE multi-mode/multi-RAT capability	
- Security Capability	
- UE positioning Capability	
- Measurement capability	
UE radio access capability extension	Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
UE system specific capability	Not Checked

Contents of UE CAPABILITY INFORMATION CONFIRM message: UM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Set to the same value as received in the UE CAPABILITY INFORMATION message.
Integrity check info	
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.

Contents of URA UPDATE message: TM

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

Contents of URA UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
U-RNTI	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity check info	
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	Not Present
New C-RNTI	Not Present
RRC state indicator	URA_PCH
UTRAN DRX cycle length coefficient	3
CN information info	Not Present
URA identity	Not Present
Downlink counter synchronisation info	Not Present

Contents of UPLINK DIRECT TRANSFER message: AM

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



## Contents of UTRAN MOBILITY INFORMATION message: AM or UM

Information Element	Value/remark
Message Type	
Integrity check info	
- message authentication code	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.
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	See the test content
New C-RNTI	See the test content
UE Timers and constants in connected mode	
- T301	2000 milliseconds
- N301	2
- T302	4000 milliseconds
- N302	3
- T304	1000 milliseconds
- N304	3
- T305	60 minutes
- T307	50 seconds
- T308	320 milliseconds
- T309	8 seconds
- T310	320 milliseconds
- N310	5
- T311	500 milliseconds
- T312	5 seconds
- N312	200
- T313	10 seconds
- N313	200
- T314	20 seconds
- T315	30 seconds
- N315	200
- T316	50 seconds
- T317	1800 seconds
CN information info	Not Present
URA identity	Not present
Downlink counter synchronisation info	Not Present

## Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

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

## 9.1.2 Default Message Contents for Signalling (TDD)

## Contents of RRC STATUS message: AM

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

## Contents of SECURITY MODE FAILURE message: AM

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

## Contents of URA UPDATE message: TM

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

## Contents of URA UPDATE CONFIRM message: UM

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

Information Element	Value/remark
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Integrity protection mode info	Not present
Ciphering mode info	Not present
New U-RNTI	Not present
New C-RNTI	Not present
RRC State Indicator	URA_PCH
UTRAN DRX cycle length coefficient	3
CN Information info	Not present
URA identity	See the test content
Downlink counter synchronisation info	Not present

## Contents of UPLINK DIRECT TRANSFER message: AM

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

## Contents of UTRAN MOBILITY INFORMATION message: AM or UM

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

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

## Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

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

## Contents of UE CAPABILITY ENQUIRY message

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

Information Element	Value/remark
- UE radio access 3.84 Mcps TDD capability update requirement	FALSE
- UE radio access 1.28 Mcps TDD capability update requirement	TRUE
- System specific capability update requirement list	Not Present

## Contents of UE CAPABILITY INFORMATION message (1.28 Mpcs TDD)

Information Element	Value/remark
Message Type	UE CAPABILITY INFORMATION
Integrity check info	Not Present
- Message authentication code	If present, SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	If present, SS provides the value of this IE, from its internal counter.
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink UE CAPABILITY ENQUIRY message.
UE radio access capability	Present
- Access stratum release indicator	REL-5
- DL capability with simultaneous HS-DSCH configuration	Not Present
- PDCP capability	
- Support for lossless SRNS relocation	TRUE
- Support for RFC2507	TRUE
- Max HC context space	512
- Support for RFC3095	FALSE
- RLC capability	
- Total RLC AM buffer size	150
- Maximum RLC AM Window Size	2047
- Maximum number of AM entities	30
- Transport channel capability	
- Downlink transport channel capability information elements	
- Max number of bits received	640
- Max convolutionally coded bits received	6400
- Max turbo coded bits received	6400
- Max number of simultaneous transport channels	8
- Maximum number of simultaneous CCH	1
- Max number of received transport blocks	32
- Max number of TFC	128
- Max number of TF	64
- Turbo decoding supported	TRUE
- Uplink transport channel capability information elements	
- Max number of bits transmitted	6400
- Max convolutionally coded bits transmitted	6400
- Max turbo coded bits transmitted	6400
- Max number of simultaneous transport channels	8
- Max number of simultaneous CCH of DCH	1
- Max number of transmitted transport blocks	16
- max number of TFC	64
- Max number of TF	32
- Turbo coding supported	TRUE
- RF capability FDD	Not Present
- RF capability TDD	Present
- UE power class	1
- Radio frequency bands	a
- Chip rate capability	1.28 Mcps
- Physical channel capability	
- Downlink physical channel capability information	
- FDD physical channel capability	Not Present
- 3.84 Mcps TDD downlink physical channel capability	Not Present
- 1.28 Mcps TDD downlink physical channel capability	Present

Information Element	Value/remark
- maxTS per subFrame	6
- max physical channel per frame	96
- min. SF	16
- Support of PDSCH	FALSE
- Support of HS-PDSCH	Unsupported
- max. physical channel per TS	16
- Support of 8psk	FALSE
-Uplink physical channel capability information	
- FDD physical channel capability	Not Present
- 3.84 Mcps TDD uplink physical channel capability	Not Present
- 1.28 Mcps TDD uplink physical channel capability	Present
- maxTS per subFrame	6
- max physical channel per timeslot	2
- min. SF	16
- Support of PDSCH	FALSE
- max. physical channel per TS	16
- Support of 8psk	FALSE
- UE multi-mode/multi-RAT capability	
- MultiRAT capability List	
- Support of GSM	FALSE
- Support of Multicarrier	TRUE
- MultiMode capability	TDD
- Support of UTRAN to GERAN NACC	FALSE
- Security capability	
- Ciphering algorithm capability	
- UEA0	FALSE
- UEA1	FALSE
- Spare	FALSE
- Integrity protection algorithm	
- UIA1	FALSE
- Spare	FALSE
- UE positioning capability	
- Standalone location method(s) supported	FALSE
- UE based OTDOA supported	FALSE
- Network Assisted GPS support	None
- Support for GPS timing of cell frames	FALSE
measurement	
- Support for IPDL	FALSE
- Support for RX-TX time difference type2	FALSE
measurement	
- Support for Up measurement validity in CELL-PCH and URA-PCH states	FALSE
- Measurement capability	Not Present
UE system specific capability	Not present

Contents of UE CAPABILITY INFORMATION CONFIRM message

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

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			
- message authentication code		SS calculates the value of MAC-I for this	

Information Element	Condition	Value/remark	Version
- RRC message sequence number Integrity protection mode info Ciphering mode info Activation time Activation time New U-RNTI	A1, A2, A3 A4, A5, A6	message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Now Not Present	
New C-RNTI	A1, A2, A3, A4	Not Present	
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient CN information info URA identity Downlink counter synchronisation info	A1, A2, A3, A4,A5,A6	Not Present Not Present Not Present Not Present	
UL Transport channel information for all transport channels	A1, A2, A5, A6	Not Present	
UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - Individual UL CCTrCH information - UL TFCS Identity - TFCS ID - Shared Channel Indicator - UL TFCS - CHOICE <i>TFCI signalling</i> - TFCI Field 1 Information - CHOICE <i>TFCS representation</i> - TFCS complete reconfiguration information - CHOICE <i>CTFC Size</i>  - CTFC information  - CTFC  - Power offset information - CHOICE Gain Factors  - Reference TFC ID - CHOICE Gain Factors  - CHOICE mode - Gain Factor $\beta_d$ - Reference TFC ID - CHOICE mode - TFC subset - CHOICE Subset representation - TFC subset list	A3, A4	Not Present TDD  1 FALSE  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.11.5.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4 Parameter Set Reference to TS34.108 clause 6.11.5.4 Parameter Set  Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 0 Integer(0.. 3) Signalled Gain Factors(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) TDD 15 0 Integer(0.. 3) TDD  Full transport format combination set Not Present	
Added or Reconfigured TrCH information list	A1, A2, A5, A6	Not Present	

Information Element	Condition	Value/remark	Version
Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval  - Type of channel coding  - Coding Rate  - Rate matching attribute  - CRC size  - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval  - Type of channel coding  - Coding Rate  - Rate matching attribute  - CRC size	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)  DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set This IE is repeated for maxTF number Not Present Reference to TS34.108 clause 6.11 Parameter Set All  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set This IE is repeated for maxTF number Not Present Reference to TS34.108 clause 6.11 Parameter Set All  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set	
Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval  - Type of channel coding	A3   1 to maxTF	(DCH for DTCH)  DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set All  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set	





Information Element	Condition	Value/remark	Version
Added or Reconfigured TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters               <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul> </li> <li>- DCH quality target               <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Transparent mode signalling info</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters               <ul style="list-style-type: none"> <li>- TFS                   <ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information                       <ul style="list-style-type: none"> <li>- RLC Size</li> </ul> </li> </ul> </li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul> </li> <li>- Semi-static Transport Format information               <ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul> </li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target               <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Transparent mode signalling info</li> </ul>	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)  DCH 10 Same as UL DCH 5  -2.0 Real(-6.3..0 by step of 0.1) Not Present DCH 6 Explicit  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set  -2.0 Not Present	
Added or Reconfigured TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters               <ul style="list-style-type: none"> <li>- TFS                   <ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information                       <ul style="list-style-type: none"> <li>- RLC Size</li> </ul> </li> </ul> </li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul> </li> <li>- Semi-static Transport Format information               <ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul> </li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target               <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Transparent mode signalling info</li> </ul>	A3	DCH 6 Explicit  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set  -2.0 Not Present	
Frequency info <ul style="list-style-type: none"> <li>- Choice mode</li> </ul>	A1, A2, A3, A4, A5	TDD	

Information Element	Condition	Value/remark	Version
- UARFCN (Nt)		Reference to clause 5.1 Test frequencies	
Frequency info	A6	Not Present	
Maximum allowed UL TX power		33dBm	
CHOICE <i>channel requirement</i>	A5, A6	Not Present	
CHOICE <i>channel requirement</i>	A1, A2, A3, A4	Uplink DPCH info	
- Uplink DPCH power control info		TDD	REL-4
- CHOICE mode		1.28 Mcps TDD	REL-4
- CHOICE TDD option		-80 Integer(-120...-58 by step of 1)	
- PRXPDPCHdes		Individually Signalled	
- CHOICE UL OL PC info		1.28 Mcps TDD	
- CHOICE TDD option		1	
- TPC step size		20 Integer(6..43)	
- Primary CCPCH Tx Power		TDD	
- CHOICE mode		Enabled	
- Uplink Timing Advance Control		1.28 Mcps TDD	
- CHOICE Timing Advance			
- CHOICE TDD option			
- Uplink synchronisation parameters			
- Uplink synchronisation step size		1	
- Uplink synchronisation frequency		1	
- Synchronisation parameters			
- SYNC_UL codes bitmap		01010101	
- FPACH info			
- Timeslot number		0	
- Channelisation code		16/15	
- Midamble Shift and burst type			
- CHOICE TDD option		1.28 Mcps TDD	
- Midamble Allocation Mode		Default midamble	
- Midamble configuration		16 Integer(2, 4, 6, 8, 10, 12, 14, 16)	
- WT		4 Integer(1..4)	
- PRXUpPCHdes		-80 dBm	
- SYNC_UL procedure			
- Max SYNC_UL Transmissions		2	
- Power Ramp Step		2	
- UL CCTrCH List			
- TFCS ID		1	
- UL Target SIR		Real (-11 .. 20 by step of 0.5dB) Reference to TS34.108 Parameter set.	
- Time info			
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256	
- Duration		Infinite	
- Common timeslot info			
- 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			
- Uplink DPCH timeslots and code			
- Dynamic SF usage		FALSE	
- First individual timeslot info			
- Timeslot number			
- CHOICE TDD option		1.28 Mcps TDD	
- Timeslot number		1 OR 2 OR 3	
- TFCI existence		TRUE	
- Midamble shift and burst type			
- CHOICE TDD option		1.28 Mcps TTD	
- Midamble allocation mode		Default midamble	
- Midamble configuration		16	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Midamble Shift</li> <li>- CHOICE TDD option</li> <li>- Modulation</li> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Symbols</li> <li>- First timeslot Code List</li>   <li>- channelisation codes</li>   <li>- CHOICE more timeslots</li> <li>- UL CCTrCH List to Remove</li> </ul> <p>CHOICE Mode</p> <p>Downlink HS-PDSCH Information</p> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> </ul>	<p>A1, A2, A3, A4, A5, A6 A1, A2, A3, A4, A5, A6 A1, A2, A3</p>	<p>Not Present</p> <p>1.28 Mcps TDD</p> <p>QPSK</p> <p>1</p> <p>Not present</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.</p> <p>No more timeslots</p> <p>Not present</p> <p>TDD</p> <p>Not Present</p> <p>Maintain</p> <p>Not Present</p>	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- TPC Step Size</li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option</li> <li>- TSTD indicator</li> <li>- Default DPCH Offset Value</li> </ul> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> </ul> <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- TPC Step Size</li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option</li> <li>- TSTD indicator</li> <li>- Default DPCH Offset Value</li> </ul>	<p>A4</p>	<p>TDD</p> <p>1</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Not Present</p> <p>Initialise</p> <p>Not Present</p> <p>TDD</p> <p>1</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p>	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Default DPCH Offset Value</li> </ul> <p>Downlink information common for all radio links</p> <p>Downlink information per radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CCPCH info</li> <li>- Choice mode</li> <li>- Choice TDD Option</li> <li>- TSTD indicator</li> <li>- Cell parameters ID</li>   <li>- SCTD indicator</li> </ul> <ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode</li> <li>- DL CCTrCh List</li> <li>- TFCS ID</li> <li>- Time info</li> <li>- Activation time</li> <li>- Duration</li> <li>- Common timeslot info</li> <li>- 2nd interleaving mode</li> </ul>	<p>A5, A6 A1, A2,A3</p>	<p>TDD</p> <p>0 Integer(0..7)</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (TDD) Integer(0..127)</p> <p>FALSE</p> <p>TDD</p> <p>2 Integer(1.8)</p> <p>Now</p> <p>Infinite</p> <p>Default value is "Frame"</p>	
<ul style="list-style-type: none"> <li>- TFCI coding</li> </ul>		<p>Reference to TS34.108 clause 6 Parameter</p>	



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"

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

Information Element	Value/remark	Version
Message Type RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message	
Integrity check info - Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.	
Uplink integrity protection activation info	Not checked	
CHOICE mode	TDD	REL-4
CHOICE TDD option	1.28 Mcps TDD	REL-4
COUNT-C activation time	Not checked	
Radio bearer uplink ciphering activation time info	Not checked	
Uplink counter synchronisation info	Not checked	

Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM

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

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL\_DCH)

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

Contents of TRANSPORT FORMAT COMBINATION CONTROL FAILURE message: AM

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

Contents of 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	0
Redirection info	Not Present

Contents of CELL UPDATE message: TM

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

Contents of CELL UPDATE CONFIRM message: UM

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



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

Contents of HANDOVER FROM UTRAN COMMAND-GSM message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
- Message authentication code	Set to MAC-I value computed by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I
- RRC Message sequence number	Set to an arbitrarily selected integer between 0 and 15
Activation time	Not Present – use default value “now”
RAB info	For each RAB to be handed over. In this version, the maximum size of the list of 1 shall be applied for all system types.
- RAB identity	0000 0001B
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not present
- Re-establishment time	Use T315
CHOICE System type	GSM
- Frequency band	Set to "GSM/ PCS 1900" if GSM/ PCS 1900 is used in this test. Otherwise set to "GSM/DCS 1800 Band"
- CHOICE GSM message	Single GSM message
- Single GSM message	GSM HANDOVER COMMAND formatted and coded according to GSM specifications as BIT STRING (1..512). The first/ leftmost/ most significant bit of the bit string contains bit 8 of the first octet of the GSM message. The contents of the HANDOVER COMMAND is to be defined in the specific test case.

Contents of HANDOVER FROM UTRAN FAILURE message: AM

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

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

Information Element	Value/remark
Message Type	
<b>UE information elements</b>	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
<b>Measurement information elements</b>	
Measurement Identity	1
Measurement Command	Setup
Measurement Reporting Mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting/Event Trigger Reporting Mode	Periodical reporting
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	
- <b>Intra-frequency cell info list</b>	
- CHOICE intra-frequency cell removal	Not present
- New intra-frequency cell	
- Intra-frequency cell-id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN number	FALSE
- CHOICE mode	TDD
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- TSTD indicator	FALSE
- Cell parameters ID	Reference clause 6.1.4 Default settings for cell 1(TDD)
- SCTD indicator	FALSE
- Primary CCPCH Tx power	Not present
- Timeslot list	Not present
- Cells for measurement	Not present
- <b>Intra-frequency measurement quantity</b>	
- Filter coefficient	Not present (use default 0)
- CHOICE mode	TDD
- Measurement quantity list	
- Measurement quantity	Primary CCPCH RSCP
- <b>Intra-frequency reporting quantity</b>	
- Reporting quantities for active set cells	
- Cell synchronisation information reporting indicator	FALSE
- Cell Identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TGSN reporting indicator	FALSE
- Primary CCPCH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored set cells	
- Cell synchronisation information reporting indicator	FALSE
- Cell Identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TGSN reporting indicator	FALSE
- Primary CCPCH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not present
- <b>Reporting cell status</b>	Not present
- <b>Measurement validity</b>	Not present
- <b>CHOICE report criteria</b>	Intra-frequency measurement reporting criteria

<ul style="list-style-type: none"> <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>   <li>- Replacement activation threshold</li> <li>- Time to trigger</li> <li>- Amount of reporting</li>   <li>- Reporting interval</li>   <li>- Reporting cell status</li> </ul> <p><b>Physical channel information elements</b> DPCH Compressed mode status info</p>	<p>1g Not present ( this IE is MP only for event "1b" or "1f", TDD should not present)</p> <p>Not present (this IE is MP only for event "1c", TDD should not present)</p> <p>Not present (this IE is MP only for event "1a" or "1b", TDD should not present)</p> <p>Not present (this IE is MP only for event "1a" or "1b", TDD should not present)</p> <p>Not present (this IE is MP only for event "1a" or "1b", TDD should not present)</p> <p>0 dBm Not present (this IE is MP only for event "1e", "1f", "1h" or "1i")</p> <p>Not present (this IE is MP only for event "1a", TDD should not present)</p> <p>Not present (this IE is MP only for event "1c" TDD should not present)</p> <p>0 ms Not present (this IE is MP only for event "1a" or "1c" TDD should not present)</p> <p>Not present (this IE is MP only for event "1a" or "1c", TDD should not present)</p> <p>Not present</p> <p>Not Present</p>
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Contents of MEASUREMENT CONTROL Message: AM (Inter-frequency measurement) (1.28 Mcps TDD)

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

<ul style="list-style-type: none"> <li>- Parameters required for each event</li> <li>- Inter-frequency event identity</li> <li>- Threshold used frequency</li>   <li>- W used frequency</li>   <li>- Hysteresis</li> <li>- Time to trigger</li> <li>- Reporting cell status</li>   <li>- Maximum number of reporting cells</li> <li>- Parameters required for each non-used frequency</li> <li>- Threshold non used frequency</li>   <li>- W non-used frequency</li> </ul> <p><b>Physical channel information elements</b> DPCH Compressed mode status info</p>	<p>2b -70dBm (this IE is MP for event 2b, 2d, or 2f Ranges used depend on measurement quantity. CPICH Ec/No -24..0dB CPICH/Primary CCPCH RSCP -115..-25dBm)</p> <p>0 (this IE is MP for event 2a, 2b, 2d or 2f Real(0, 0.1..2.0 by step of 0.1))</p> <p>1 dBm 5000 ms Within active set or within virtual active set or of the other RAT</p> <p>1</p> <p>-70 dBm (this IE is MP for event 2a, 2b, 2c or 2e Ranges used depend on measurement quantity. CPICH Ec/No -24..0dB CPICH/Primary CCPCH RSCP -115..-25dBm. This IE is not needed if the IE "Inter-frequency event identity" is set to 2a. However, it is specified to be mandatory to align with the ASN.1)</p> <p>0 (this IE is MP if 2a, 2b, 2c or 2e Real(0, 0.1..2.0 by step of 0.1))</p> <p>Not Present</p>
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Contents of MEASUREMENT CONTROL FAILURE Message: AM

Information Element	Value/remark
Message Type RRC transaction identifier	Checked to see if it's set to the identical value for the same IE in the downlink MEASUREMENT CONTROL message
Integrity check info <ul style="list-style-type: none"> <li>- Message authentication code</li> <li>- RRC Message sequence number</li> </ul>	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	See the test content

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

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

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

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

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

Information Element	Condition	Value/remark	Version
Message Type  RRC transaction identifier Integrity check info - message authentication code  - RRC message sequence number  Integrity protection mode info Ciphering mode info Activation time Activation time New U-RNTI	A1, A2, A3, A4, A5, A6       A1, A2, A3 A4, A5, A6	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Now Not Present	
New C-RNTI	A1, A2, A3, A4	Not Present	
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6	Not Present	
CN information info		Not Present	
URA identity		Not Present	
Downlink counter synchronisation info		Not Present	



Information Element	Condition	Value/remark	Version
Frequency info	A1, A2, A3, A4, A5	TDD	
- Choice mode		Reference to clause 5.1 Test frequencies	
- UARFCN (Nt)		Not Present	
Frequency info	A6	33dBm	
Maximum allowed UL TX power			
CHOICE channel requirement	A5, A6	Not Present	
CHOICE channel requirement	A1, A2, A3, A4	Uplink DPCH info	
- Uplink DPCH power control info		TDD	
- CHOICE mode		1.28 Mcps TDD	
- CHOICE TDD option		-80 Integer(-120...-58 by step of 1)	
- PRXPDPCHdes		Individually Signalled	
- CHOICE UL OL PC info		1.28 Mcps TDD	
- CHOICE TDD option		1	
- TPC step size		20 Integer(6..43)	
- Primary CCPCH Tx Power		TDD	
- CHOICE mode		Enabled	
- Uplink Timing Advance Control		1.28 Mcps TDD	
- CHOICE Timing Advance		1	
- CHOICE TDD option		1	
- Uplink synchronisation parameters			
- Uplink synchronisation step size		01010101	
- Uplink synchronisation frequency		0	
- Synchronisation parameters		16/15	
- SYNC_UL codes bitmap		1.28 Mcps TDD	
- FPACH info		Default midamble	
- Timeslot number		16 Integer(2, 4, 6, 8, 10, 12, 14, 16)	
- Channelisation code		4 Integer(1..4)	
- Midamble Shift and burst type		-80 dBm	
- CHOICE TDD option			
- Midamble Allocation Mode		2	
- Midamble configuration		2	
- WT		1	
- PRXUpPCHdes		Real (-11 .. 20 by step of 0.5dB)	
- SYNC_UL procedure		Reference to TS34.108 Parameter set.	
- Max SYNC_UL Transmissions		(256+CFN-(CFN MOD 8 + 8))MOD 256	
- Power Ramp Step		Infinite	
- UL CCTrCH List			
- TFCS ID		Default value is "Frame"	
- UL Target SIR		Reference to TS34.108 clause 6 Parameter set	
- Time info		Reference to TS34.108 clause 6 Parameter set	
- Activation time		set	
- Duration		Reference to TS34.108 clause 6 Parameter set	
- Common timeslot info		set	
- 2 <sup>nd</sup> interleaving mode		1	
- TFCI coding		Null	
- Puncturing limit		FALSE	
- Repetition period			
- Repetition length		1.28 Mcps TDD	
- Uplink DPCH timeslots and code		1 OR 2 OR 3	
- Dynamic SF usage		TRUE	
- First individual timeslot info			
- Timeslot number		1.28 Mcps TDD	
- CHOICE TDD option		Default midamble	
- Timeslot number		16	
- TFCI existence		Not Present	
- Midamble shift and burst type		1.28 Mcps TDD	
- CHOICE TDD option		Default midamble	
- Midamble allocation mode		16	
- Midamble configuration		Not Present	
- Midamble Shift		1.28 Mcps TDD	
- CHOICE TDD option		QPSK	
- Modulation			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Symbols</li> <li>- First timeslot Code List</li>   <li>- channelisation codes</li>   <li>- CHOICE more timeslots</li> <li>- UL CCTrCH List to Remove</li> </ul>		1 Not present Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set. No more timeslots Not present	
CHOICE Mode	A1, A2, A3, A4, A5, A6	TDD	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6	Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- TPC Step Size</li> </ul> </li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul>	A1, A2, A3	Maintain Not Present  TDD 1 Not Present TDD TDD 1.28 Mcps TDD FALSE Not Present	
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- TPC Step Size</li> </ul> </li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul> </li> <li>- Default DPCH Offset Value</li> <li>- CHOICE mode</li> </ul>	A4	Initialise Not Present  TDD 1 Not Present TDD TDD 1.28 Mcps TDD FALSE  TDD	
- Default DPCH Offset Value		0 Integer(0..7)	
Downlink information common for all radio links	A5, A6	Not Present	
Downlink information per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode                             <ul style="list-style-type: none"> <li>- Primary CCPCH info</li> <li>- Choice mode                                     <ul style="list-style-type: none"> <li>- Choice TDD Option</li> <li>- TSTD indicator</li> </ul> </li> <li>- Cell parameters ID</li> </ul> </li> <li>- SCTD indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- DL CCTrCh List</li> <li>- TFCS ID</li> <li>- Time info                                     <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                                     <ul style="list-style-type: none"> <li>- 2nd interleaving mode</li> <li>- TFCI coding</li> </ul> </li> </ul> </li> <li>- Puncturing limit</li> </ul>	A1, A2, A3	TDD  TDD 1.28 Mcps TDD FALSE Ref. to the Default setting in TS34.108 clause 6.1 (TDD) Integer(0..127) FALSE  TDD 2 Integer(1.8)  Now Infinite  Default value is "Frame" Reference to TS34.108 clause 6 Parameter set Reference to TS34.108 clause 6 Parameter set	



A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

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

Information Element	Value/remark	Version
Message Type RRC transaction identifier	Checked to see if it's set to identical value of the same IE in the downlink PHYSICAL CHANNEL RECONFIGURATION message	REL-4
Integrity check info - Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.	
Uplink integrity protection activation info	Not checked	
CHOICE mode	TDD	
CHOICE TDD option	1.28 Mcps TDD	
COUNT-C activation time	Not checked	
Radio bearer uplink ciphering activation time info	Not checked	
Uplink counter synchronisation info	Not checked	

Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM

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

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

Information Element	Condition	Value/remark	Version
Message Type	A1,A2,A3, A4,A5,A6	Arbitrarily selects an integer between 0 and 3	
<b>UE Information elements</b> RRC transaction identifier			
Integrity check info - message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1,A2,A3	(256+CFN-(CFN MOD 8 + 8))MOD 256	
Activation time	A4, A5,A6	Not Present	
New U-RNTI		MD Integer(0..255) default is 'now'	
New C-RNTI	A1, A2, A3,	Not Present	

Information Element	Condition	Value/remark	Version
	A4,		
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH Indicates to a UE the RRC state to be entered.	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6	Not Present A coefficient in the formula to count the paging occasions to be used by a specific UE	
<b>CN information elements</b> CN information info		Not Present	
<b>UTRAN mobility information elements</b> URA identity		Not Present	
CHOICE specification mode		[FFS]	REL-5
<b>RB information elements</b>			
RAB information to reconfigure list		Not Present	
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 10 Not Present Not Present Not Present Not Present	
RB information to reconfigure list	A2	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>		Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 10 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 11 Not Present Not Present Not Present Not Present Not Present (TM DTCH) (This IE is needed for 12.2 kbps and 10.2 kbps) 12 Not Present Not Present Not Present Not Present Not Present	
RB information to reconfigure list  <ul style="list-style-type: none"> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> </ul> </li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> </ul> </li> </ul>	A3,A4,A5, A6	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>		Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (AM DTCH) 20 Not Present Not Present Not Present Not Present Not Present	
RB information to be affected	A1, A2, A3,A4,A5, A6	Not Present	
<b>TrCH Information Elements</b>			
<b>Uplink transport channels</b>			
UL Transport channel information for all transport channels	A1, A2, A5,A6	Not Present	
UL Transport channel information for all transport channels	A3, A4	Not Present TDD	
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> </ul>			
<ul style="list-style-type: none"> <li>- UL TFCS Identity</li> </ul>			
<ul style="list-style-type: none"> <li>- TFCS ID</li> </ul>		1	
<ul style="list-style-type: none"> <li>- Shared Channel Indicator</li> </ul>		FALSE	
<ul style="list-style-type: none"> <li>- UL TFCS</li> </ul>			
<ul style="list-style-type: none"> <li>- CHOICE <i>TFCI signalling</i></li> </ul>		Normal (another option "split" only for FDD)	
<ul style="list-style-type: none"> <li>- TFCI Field 1 Information</li> </ul>			
<ul style="list-style-type: none"> <li>- CHOICE <i>TFCS representation</i></li> </ul>		Complete reconfiguration	
information <ul style="list-style-type: none"> <li>- TFCS complete reconfiguration</li> <li>- CHOICE <i>CTFC Size</i></li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE Gain Factors</li> <li>- CHOICE <i>mode</i> <ul style="list-style-type: none"> <li>- Gain Factor <math>\beta_o</math></li> <li>- Reference TFC ID</li> <li>- CHOICE <i>mode</i></li> </ul> </li> </ul>		Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.11.5.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4 Parameter Set Reference to TS34.108 clause 6.11.5.4 Parameter Set Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 0 Integer(0.. 3) Signalled Gain Factors (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) TDD 15 0 Integer(0.. 3) TDD	
<ul style="list-style-type: none"> <li>- TFC subset</li> </ul>			
<ul style="list-style-type: none"> <li>- CHOICE <i>Subset representation</i></li> </ul>		Minimum allowed Transport format	

Information Element	Condition	Value/remark	Version
		combination index	
- Allowed transport format combination list		Not present	
- Non-allowed transport format combination list		Not present	
- Non-allowed transport format combination list		Not present	
- Full transport format combination set		Not present	
- TFC subset list		Not present	
Deleted TrCH information list			
Deleted UL TrCH information	A1, A2, A3, A4, A5,A6	Not Present	
Added or Reconfigured TrCH information list			
Added or Reconfigured UL TrCH information	A1, A2, A5,A6	Not Present	
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.11.5 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.11.5 Parameter Set All  Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.11.5 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.11.5 Parameter Set All  Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>			
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH) DCH 1	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>			



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>		Dedicated transport channels  Reference to TS34.108 clause 6.11.5 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.11.5 Parameter Set All  Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set Reference to TS34.108 clause 6.11.5 Parameter Set	
CHOICE mode  - (no data)	A1,A2,A3, A4,A5,A6	TDD	
<b>Downlink transport channels</b>			
DL Transport channel information common for all transport channel	A1, A2, A5, A6	Not Present	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- Individual DL CCTrCH information                             <ul style="list-style-type: none"> <li>- DL TFCS Identity                                     <ul style="list-style-type: none"> <li>- TFCS ID</li> <li>- Shared Channel Indicator</li> </ul> </li> </ul> </li> <li>- CHOICE <i>DL parameters</i> <ul style="list-style-type: none"> <li>- DL TFCS                                     <ul style="list-style-type: none"> <li>- CHOICE <i>TFCI signalling</i></li> </ul> </li> </ul> </li>   <li>- TFCI Field 1 Information</li> <li>- CHOICE <i>TFCS representation</i> <ul style="list-style-type: none"> <li>- TFCS complete reconfiguration information                                     <ul style="list-style-type: none"> <li>- CHOICE CTFC Size   <ul style="list-style-type: none"> <li>- CTFC information   <ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	A3,A4	Not Present TDD  Independent  Normal (Normal' : meaning no split in the TFCI field either 'Logical' or 'Hard')	
		Complete reconfiguration	
Deleted TrCH information list			
Deleted DL TrCH information	A1, A2, A3, A4, A5,A6	Not Present	
Added or Reconfigured TrCH information list			
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present	
Added or Reconfigured DL TrCH information  <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul>	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		<p>Not Present</p> <p>DCH</p> <p>6</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>-2.0</p>	
<p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A3	<p>DCH</p> <p>6</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5 Parameter Set</p> <p>-2.0</p>	
Preconfiguration	A1,A2,A3, A4,A5,A6	[FFS]	REL-5
<b>PhyCH information elements</b>			
<p>Frequency info</p> <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- UARFCN (Nt)</li> </ul>	A1,A2,A3, A4,A5	TDD Reference to clause 5.1 Test frequencies	
Frequency info	A6	Not Present	
<b>Uplink radio resources</b>			
Maximum allowed UL TX power	A1,A2,A3, A4,A5,A6	33dBm	

Information Element	Condition	Value/remark	Version
<p>CHOICE channel requirement</p> <ul style="list-style-type: none"> <li>-Uplink DPCH power control info</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option</li> <li>- PRX<sub>DPCHdes</sub></li> <li>- CHOICE <i>UL OL PC info</i></li> <li>- Broadcast UL OL PC info</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Uplink Timing Advance Control</li> <li>- CHOICE <i>Timing Advance</i></li> <li>- CHOICE <i>TDD option</i></li> </ul> </li> </ul>	A1, A2, A3, A4	<p>Uplink DPCH info</p> <p>TDD 1.28 Mcps TDD</p> <p>Integer(-120...-58 by step of 1)</p> <p>Null TDD</p> <p>Enabled 1.28 Mcps TDD</p>	RE
<ul style="list-style-type: none"> <li>- Uplink synchronisation parameters</li> </ul>			
<ul style="list-style-type: none"> <li>- Uplink synchronisation step size</li> </ul>		1	
<ul style="list-style-type: none"> <li>- Uplink synchronisation frequency</li> </ul>		1	
<ul style="list-style-type: none"> <li>- Synchronisation parameters</li> </ul>		Not Present	
<ul style="list-style-type: none"> <li>- UL CCTrCH List</li> <li>- TFCS ID</li> </ul>		1	
<ul style="list-style-type: none"> <li>- UL Target SIR</li> </ul>		Real (-11 .. 20 by step of 0.5dB) Reference to TS34.108 Parameter set.	
<ul style="list-style-type: none"> <li>- Time info                             <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> </ul> </li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> <li>- Uplink DPCH timeslots and code                             <ul style="list-style-type: none"> <li>- Dynamic SF usage</li> </ul> </li> <li>- First individual timeslot info                             <ul style="list-style-type: none"> <li>- Timeslot number</li> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>- Timeslot number</li> </ul> </li> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> </ul> </li> </ul>		<p>(256+CFN-(CFN MOD 8 + 8))MOD 256 infinite</p> <p>Default value is "Frame" Reference to TS34.108 clause 6 Parameter set</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1 empty</p> <p>FALSE</p> <p>1.28 Mcps TDD 1 TRUE</p>	
<ul style="list-style-type: none"> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- Midamble allocation mode</li> <li>- Midamble configuration</li> <li>- Midamble Shift</li> </ul> </li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- Modulation</li> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Sysbols</li> </ul> </li> <li>- First timeslot Code List</li> <li>- channelisation codes</li> <li>- CHOICE more timeslots</li> </ul>		<p>1.28 Mcps TDD Default midamble 16 Not Present 1.28 Mcps TDD QPSK 1 Not present Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set. No more timeslots</p>	

Information Element	Condition	Value/remark	Version
- UL CCTrCh List to Remove CHOICE channel requirement	A5, A6	Not present Not Present	
<b>Downlink radio resources</b>			
CHOICE Mode  - Downlink PDSCH information	A1,A2,A3, A4,A5,A6	TDD  No date	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6	Not Present	REL-5
Downlink information common for all radio links	A5, A6	Not Present	
Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset	A1, A2, A3	Maintain Not Present	
- Downlink DPCH power control information - CHOICE mode - TPC Step Size - MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH Offset Value		TDD 1 Not Present TDD TDD 1.28 Mcps TDD FALSE Not Present	
Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indication - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - TPC Step Size - MAC-d HFN initial value - CHOICE mode - CHOICE mode - CHOICE TDD option - TSTD indicator	A4	Initialise Not Present  TDD 1 Not Present TDD TDD 1.28 Mcps TDD FALSE	
- Default DPCH Offset Value - CHOICE mode - Default DPCH Offset Value		TDD 0	
Downlink information per radio link list  - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode - Choice TDD Option - TSTD indicator - Cell parameters ID - SCTD indicator - Downlink DPCH info for each RL - CHOICE mode - DL CCTrCh List - TFCS ID  - Time info - Activation time - Duration - Common timeslot info - 2 <sup>nd</sup> interleaving mode	A1, A2, A3, A4          Integer(1.8 )	TDD  TDD 1.28 Mcps TDD FALSE Reference clause 6.1.4 Default settings for cell 1 FALSE  TDD  Identity of this CCTrCh.Default value is 1  Now Infinite  Default value is "Frame"	
- TFCSI coding  - Puncturing limit  - Repetition period - Repetition length - Downlink DPCH timeslots and codes - First individual timeslot info		Reference to TS34.108 clause 6 Parameter set Reference to TS34.108 clause 6 Parameter set  1 empty	

Information Element	Condition	Value/remark	Version
- Timeslot number - CHOICE TDD option		1.28 Mcps TDD	
- Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE TDD option - Midamble allocation mode - Midamble configuration - Midamble Shift - CHOICE TDD option - Modulation - SS-TPC Symbols - Additional TPC-SS Sysbols - First timeslot channelisation codes  - CHOICE codes representation - Channelisation codes bitmap  - CHOICE more timeslots - UL CCTrCH TPC List  - UL TPC TFCS Identity - TFCS ID - Shared Channel Indicator - DL CCTrCH List to Remove - SCCPCH Information for FACH		4 OR 5 OR 6 TRUE  1.28 Mcps TDD Default midamble 16 Not Present 1.28 Mcps TDD QPSK 1 Not present Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.  Reference to TS34.108 clause 6.10 Parameter Set No more timeslots This list is not required for 1.28 Mcps TDD and is to be ignored by the UE.  1 FALSE Not present Not Present	
Downlink information per radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - Choice mode - Choice TDD Option - TSTD indicator - Cell parameters ID  - SCTD indicator	A5	TDD  TDD 1.28 Mcps TDD FALSE Reference clause 6.1.4 Default settings for cell 1 FALSE	
- Downlink DPCH info for each RL		Not Present	
- SCCPCH Information for FACH		Not Present	
Downlink information per radio link list	A6		
- Downlink information for each radio link		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"

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

Information Element	Value/remark	Version
Message Type RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER RECONFIGURATION message	
Integrity check info - Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value	

<p>- RRC Message sequence number</p> <p>Uplink integrity protection activation info CHOICE mode - CHOICE <i>TDD option</i> COUNT-C activation time Radio bearer uplink ciphering activation time info Uplink counter synchronisation info</p>	<p>computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Not checked TDD 1.28 Mcps TDD (No data) Not checked Not checked Not checked</p>	<p>REL-4</p>
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Contents of RADIO BEARER RECONFIGURATION FAILURE message: AM

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

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

Information Element		Value/remark
<p>Message Type</p> <p>RRC transaction identifier</p> <p>Integrity check info - message authentication code</p> <p>- RRC message sequence number</p> <p>Integrity protection mode info Ciphering mode info Activation time</p> <p>Activation time New U-RNTI</p>	<p>A1, A2, A3, A4, A5, A6, A7, A8</p> <p>A1, A2, A3, A7, A8 A4, A5, A6</p>	<p>Arbitrarily selects an integer between 0 and 3</p> <p>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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>Not Present Not Present</p>
<p>New C-RNTI</p>	<p>A1,A2,A3, A4</p>	<p>Not Present</p>
<p>New C-RNTI</p>	<p>A5, A6, A7, A8</p>	<p>'1010 1010 1010 1010'</p>
<p>New DSCH-RNTI</p>	<p>A1, A2, A3, A4, A5, A6, A7, A8</p>	<p>Not Present</p>
<p>RRC State indicator</p>	<p>A1,A2, A3, A4</p>	<p>CELL_DCH</p>
<p>RRC State indicator</p>	<p>A5, A6, A7, A8</p>	<p>CELL_FACH</p>

Information Element		Value/remark
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
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 list	A1, A7	
RB information to release - RB identity		10
RB information to release list	A2, A8	
RB information to release - RB identity		10
RB information to release - RB identity		11
RB information to release - RB identity		12
RB information to release list	A3, A4, A5, A6	
RB information to release - RB identity		20
RB information to be affected list	A1,A2, A3,A4,A5, A6, A7, A8	Not Present
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
UL Transport channel information common for all transport channels	A1, A2, A3, A4	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information common for all transport channels	A5, A6, A7, A8	Not Present
Deleted TrCH information list	A1,A2, A3, A5, A7, A8	
Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity	A1,A2, A3, A5, A7, A8	DCH 1
Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity	A2, A8	DCH 2
Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity	A2, A8	DCH 3
Deleted TrCH information list	A4, A6	Not Present
Added or Reconfigured TrCH information list	A5, A6, A7, A8	Not Present
Added or Reconfigured TrCH information list	A1, A2, A3, A4	TrCHs (DCH for DCCH )
Added or Reconfigured UL TrCH information - Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.11 Parameter 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 6.11 Parameter Set
- CHOICE Logical Channel list		All (NULL)
- 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

Information Element		Value/remark
- 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
CHOICE <i>mode</i>		TDD (No data)
DL Transport channel information common for all transport channels	A1, A2, A3, A4,	TFCS reconfigured to fit the new transport channel configuration.
DL Transport channel information common for all transport channels	A5, A6, A7, A8	Not Present
Deleted TrCH information list		
- Deleted DL TrCH Information	A1, A2, A3, A5,A7, A8	DCH 6
- Deleted DL TrCH Information - Downlink transport channel type - Transport channel identity	A2, A8	DCH 7
- Deleted DL TrCH Information - Downlink transport channel type - Transport channel identity	A2, A8	DCH 8
Deleted TrCH information list	A4, A6	Not Present
Added or Reconfigured TrCH information list		
- Added or Reconfigured DL TrCH information	A5, A6, A7, A8	Not Present
- Added or Reconfigured DL TrCH information	A1, A2, A3, A4	1 TrCHs (DCH for DCCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		-2.0 Real(-6.3..0 by step of 0.1)
Frequency info	A1, A2, A3, A4, A5, A7, A8	TDD Reference to clause 5.1 Test frequencies
- Choice mode - UARFCN (Nt)		
Frequency info	A6	Not Present
Maximum allowed UL TX power	A1, A2, A3, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	using the default value
CHOICE <i>channel requirement</i>	A5, A6 , A7, A8	Not Present
CHOICE <i>channel requirement</i>	A1, A2, A3, A4	Uplink DPCH info
- Uplink DPCH power control info - CHOICE mode - Uplink Timing Advance Control		Not Present TDD Not Present
- UL CCTrCH List - TFCS ID		1
- UL Target SIR		Real (-11 .. 20 by step of 0.5dB) Reference to TS34.108 Parameter set.
- Time info - Activation time - Duration - Common timeslot info - 2 <sup>nd</sup> interleaving mode - TFCI coding - Puncturing limit		(256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite  Default value is "Frame" Reference to TS34.108 clause 6 Parameter set Reference to TS34.108 clause 6 Parameter



Information Element		Value/remark
<ul style="list-style-type: none"> <li>- Repetition period</li> <li>- Repetition length</li> <li>- Uplink DPCH timeslots and code</li> <li>- Dynamic SF usage</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- Timeslot number</li> </ul> </li> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> </ul>		set 1  FALSE  1.28 Mcps TDD 1 OR 2 OR 3 TRUE
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> <li>- Midamble allocation mode</li> <li>- Midamble configuration</li> <li>- Midamble Shift</li> <li>- CHOICE TDD option</li> <li>- Modulation</li> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Symbols</li> <li>- First timeslot Code List</li>   <li>- channelisation codes</li>   <li>- CHOICE more timeslots</li> <li>- UL CCTrCH List to Remove</li> </ul> <p>CHOICE Mode</p> <p>Downlink HS-PDSCH Information</p> <p>Downlink information common for all radio links</p> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> </ul>	A1, A2, A3, A4, A5, A6, A7, A8 A1, A2, A3, A4, A5, A6, A7, A8 A5, A6, A7, A8 A1, A2, A3	1.28 Mcps TDD Default midamble 16 Not Present 1.28 Mcps TDD QPSK 1 Not present Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set. No more timeslots Not present TDD  Not Present  Not Present  Maintain Not Present
<ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- TPC Step Size</li> </ul> </li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- TPC Step Size</li> </ul> </li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul> </li> </ul>	A4	TDD 1 Not Present TDD TDD 1.28 Mcps TDD FALSE Not Present  Initialise Not Present  TDD 1 Not Present TDD TDD 1.28 Mcps TDD FALSE
<ul style="list-style-type: none"> <li>- Default DPCH Offset Value</li> <li>- CHOICE mode</li> </ul>		TDD

Information Element		Value/remark
<ul style="list-style-type: none"> <li>- Default DPCH Offset Value</li> <li>Downlink information per radio link list</li> <li>- Downlink information for each radio link                             <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Choice TDD Option</li> <li>- TSTD indicator</li> </ul> </li> <li>- Cell parameters ID</li> </ul> </li> <li>- SCTD indicator</li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- DL CCTrCh List                                     <ul style="list-style-type: none"> <li>- TFCS ID</li> </ul> </li> <li>- Time info                                     <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                                     <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> </ul> </li> </ul> </li> </ul>	<p>A1, A2, A3, A4,</p>	<p>0 Integer(0..7)</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (TDD) Integer(0..127)</p> <p>FALSE</p> <p>TDD</p> <p>2 Integer(1.8)</p> <p>Now</p> <p>Infinite</p> <p>Default value is "Frame"</p>
<ul style="list-style-type: none"> <li>- TFCI coding</li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> <li>- Downlink DPCH timeslots and codes                             <ul style="list-style-type: none"> <li>- First individual timeslot info                                     <ul style="list-style-type: none"> <li>- Timeslot number</li> <li>- CHOICE TDD option</li> </ul> </li> </ul> </li> </ul>		<p>Reference to TS34.108 clause 6 Parameter set</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>NULL</p> <p>1.28 Mcps TDD</p>
<ul style="list-style-type: none"> <li>- Timeslot number</li> <li>- TFCI existence</li> <li>- Midamble shift and burst type                             <ul style="list-style-type: none"> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>- Midamble allocation mode</li> <li>- Midamble configuration</li> <li>- Midamble Shift</li> </ul> </li> </ul> </li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- Modulation</li> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Sysbols</li> </ul> </li> <li>- First timeslot channelisation codes                             <ul style="list-style-type: none"> <li>- CHOICE codes representation</li> <li>- Channelisation codes bitmap</li> </ul> </li> <li>- CHOICE more timeslots</li> <li>- UL CCTrCH TPC List                             <ul style="list-style-type: none"> <li>- DL CCTrCH List to Remove</li> <li>- SCCPCH Information for FACH</li> </ul> </li> <li>Downlink information per radio link list                             <ul style="list-style-type: none"> <li>- Downlink information for each radio link                                     <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info   <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Choice TDD Option</li> <li>- TSTD indicator</li> </ul> </li> <li>- Cell parameters ID</li> </ul> </li> <li>- SCTD indicator</li> </ul> </li> <li>- Downlink DPCH info for each RL</li> </ul>	<p>A5 ,A7, A8</p>	<p>4 OR 5 OR 6</p> <p>TRUE</p> <p>1.28 Mcps TDD</p> <p>Default midamble</p> <p>16</p> <p>Not Present</p> <p>1.28 Mcps TDD</p> <p>QPSK</p> <p>1</p> <p>Not present</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p> <p>Bitmap</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>No more timeslots</p> <p>This list is not required for 1.28 Mcps TDD and is to be ignored by the UE.</p> <p>Not present</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (TDD) Integer(0..127)</p> <p>FALSE</p> <p>Not Present</p>

Information Element		Value/remark
- 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"
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"

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
CN domain identity	CS domain or PS domain
NAS message	See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark	Version
Message Type		
Integrity check info		
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.	
CN domain identity	CS domain or PS domain	
Intra Domain NAS Node Selector	Set to the same octet string as in the IMSI stored in the USIM card	
NAS message	Set according to that indicated in specific message content for each test case	
START	<a href="#">This IE is checked to see if it is present.</a> <del>Not checked</del>	
Establishment cause	See the specific test case	REL-5
Measured results on RACH	Not checked	

Contents of PAGING TYPE 1 message: TM (Speech in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Conversational Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (The others of speech in CS)

Information Element	Value/remark
Message Type Paging record list - Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Streaming Call CS domain  Set to the same octet string as in the IMSI stored in the USIM card Not Present

Contents of PAGING TYPE 1 message: TM (Packet in PS)

Information Element	Value/remark
Message Type Paging record list - Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Interactive Call PS domain  Set to the same octet string as in the IMSI stored in the USIM card Not Present

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

Information Element	Value/remark	Version
Message Type	0	
RRC transaction identifier	0	
Integrity check info	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.	
- message authentication code	SS provides the value of this IE, from its internal counter.	
- RRC message sequence number	Not Present	
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.	
Ciphering mode info	Start/restart	
- Ciphering mode command	Use one of the supported ciphering algorithms	
- Ciphering algorithm	(256+CFN-(CFN MOD 8 + 8))MOD 256	
- Ciphering activation time for DPCH	Not Present	
- Radio bearer downlink ciphering activation time info	(256+CFN-(CFN MOD 8 + 8))MOD 256	
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	
RRC State indicator	CELL_DCH	REL-5
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
<del>CHOICE specification mode</del>	<del>Complete specification</del>	<del>REL-5</del>
<del>- Complete specification</del>		<del>REL-5</del>
-- Signalling RB information to setup list	Not Present	
- RAB information for setup list		
- RAB information for setup		
- RAB info		
- RAB identity	0000 0001B	
	The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup		
- RB identity	10	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	6	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	Not Present	
- RB identity	11	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<ul style="list-style-type: none"> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li></li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>2</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>7</li> <li>Not Present</li> <li>Not Present</li> <li>12</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li></li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>3</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>8</li> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>RB information to be affected list</li> <li>Downlink counter synchronisation info</li> <li>UL Transport channel information for all transport channels</li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>TDD</li> <li>(This IE is repeated for TFC number.)</li> <li>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</li> </ul>	
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling                             <ul style="list-style-type: none"> <li>- TFCI Field 1 information                                     <ul style="list-style-type: none"> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>(This IE is repeated for TFC number.)</li> <li>Normal</li> <li>Number of used bits must be enough to cover all combinations of CTFC from clauses 6.</li> <li>Refer to TS34.108 clause 6 Parameter Set</li> </ul>	
<ul style="list-style-type: none"> <li>- CTFC information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>TDD</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>Deleted TrCH information list</li> <li>Added or Reconfigured TrCH information list                             <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>3 DCHs</li> <li>DCH</li> </ul>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>	<p>1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH</p>	
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>	<p>2</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH</p>	
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>	<p>3</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH</p>	
<p>CHOICE mode</p> <p>DL Transport channel information common for all transport channel</p>	<p>(no data)</p>	
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	<p>Not Present</p> <p>TDD</p> <p>Same as UL</p>	
<p>Deleted TrCH information list</p>	<p>Not Present</p>	
<p>Added or Reconfigured TrCH information list</p>	<p>3 DCHs</p>	
<p>Added or Reconfigured DL TrCH information</p>	<p>DCH</p>	
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>	<p>6</p>	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>	<p>Same as UL</p>	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	<p>DCH</p>	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	<p>DCH</p>	
<ul style="list-style-type: none"> <li>- UL TrCH identity</li> </ul>	<p>1</p>	
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>	<p>-6.3</p>	
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>	<p>-6.3</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul> <p>Frequency info</p> <ul style="list-style-type: none"> <li>- UARFCN Nt)</li> </ul> <p>Maximum allowed UL TX power</p> <p>CHOICE channel requirement</p> <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- CHOICE mode</li> <li>- UL Target SIR</li> <li>- CHOICE UL OL PC info                             <ul style="list-style-type: none"> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>- Individual timeslot interference info</li> <li>- DPCH Constant Value</li> </ul> </li> </ul> </li> <li>- CHOICE mode</li> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List                             <ul style="list-style-type: none"> <li>- TFCS Id</li> <li>- Time info                                     <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                                     <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> </ul> </li> <li>- Repetition Period</li> <li>- Repetition Length</li> </ul> </li> <li>- Uplink DPCH timeslots and code                             <ul style="list-style-type: none"> <li>- First individual timeslot info</li> <li>- Timeslot number</li> </ul> </li> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- Midamble allocation mode</li> <li>- Midamble configuration burst type 1 and 3</li> <li>- CHOICE TDD option</li> </ul> </li> <li>- First timeslot channelisation codes</li> </ul> <p>- Channelisation code</p> <p>- CHOICE more timeslots</p>	<p>DCH</p> <p>7</p> <p>Same as UL</p> <p>DCH</p> <p>2</p> <p>Not Present</p> <p>DCH</p> <p>8</p> <p>Same as UL</p> <p>DCH</p> <p>3</p> <p>Not Present</p> <p>Reference to clause 5.1 Test frequencies</p> <p>30dBm</p> <p>Uplink DPCH info</p> <p>TDD</p> <p>Reference to TS34.108 Parameter set.</p> <p>Individually signalled</p> <p>3.84 Mcps</p> <p>TDD</p> <p>Not Present</p> <p>1</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>infinite</p> <p>Reference to TS34.108 clause 6 Parameter Set.</p> <p>Reference to TS34.108 clause 6 Parameter set.</p> <p>Reference to TS34.108 clause 6 Parameter set.</p> <p>Reference to TS34.108 clause 6 Parameter set.</p> <p>Reference to TS34.108 clause 6 Parameter set.</p> <p>The number of an uplink timeslot that has unassigned codes.</p> <p>TRUE</p> <p>3.84 Mcps</p> <p>Default</p> <p>16</p> <p>(no data)</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p> <p>(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.</p> <p>The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned.</p> <p>Not Present</p>	<p>REL-5</p>
<p>Downlink HS-PDSCH Information</p> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> </ul>	<p>Maintain</p> <p>Not Present</p>	<p>REL-5</p>



Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- TPC step size</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option</li> <li>- Default DPCH offset value</li> <li>- Downlink information for each radio link                             <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE TDD option   <ul style="list-style-type: none"> <li>- CHOICE <i>SyncCase</i></li> <li>- Timeslot</li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> <li>- Downlink DPCH info for each RL                                     <ul style="list-style-type: none"> <li>- CHOICE mode   <ul style="list-style-type: none"> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info   <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> </ul> </li> <li>- Common timeslot info   <ul style="list-style-type: none"> <li>- 2nd interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> </ul> </li> <li>- Downlink DPCH timeslots and codes   <ul style="list-style-type: none"> <li>- Individual timeslot info   <ul style="list-style-type: none"> <li>- Timeslot number</li> </ul> </li> <li>- TFCI existence</li> <li>- Midamble shift and burst type   <ul style="list-style-type: none"> <li>- CHOICE TDD option   <ul style="list-style-type: none"> <li>-CHOICE Burst Type   <ul style="list-style-type: none"> <li>-Type 1   <ul style="list-style-type: none"> <li>-Midamble Allocation Mode</li> </ul> </li> <li>- Midamble configuration burst type 1 and 3</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- First timeslot channelisation codes   <ul style="list-style-type: none"> <li>- First channelisation code</li> <li>- Last channelisation code</li> <li>- Bitmap</li> <li>- CHOICE more timeslots</li> </ul> </li> </ul> </li> <li>- UL CCTrCH TPC List</li> <li>-SCCPCH information for FACH</li> </ul> </li></ul>	<p>TDD</p> <p>1 dB</p> <p>TDD</p> <p>3.84 Mcps (no data)</p> <p>0</p> <p>TDD</p> <p>3.84 Mcps</p> <p>Sync Case 1</p> <p>PCCPCH timeslot</p> <p>0</p> <p>TDD</p> <p>1</p> <p>(256+CFN-(CFN mod 8 + 8))mod 256</p> <p>infinite</p> <p>Reference to TS34.108</p> <p>TRUE</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>Empty</p> <p>The number of a downlink timeslot that has unassigned codes.</p> <p>TRUE</p> <p>3.84 Mcps</p> <p>Default</p> <p>As defined in 3GPP TS 25.221</p> <p>(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..</p> <p>(j/SF) where j is the highest numbered code that is being assigned in the slot.</p> <p>Bitmap of the codes that are being assigned in the slot.</p> <p>The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..</p> <p>Not Present</p> <p>Not Present</p>	

Contents of RADIO BEARER SETUP message: AM or UM (Packet to CELL\_DCH from CELL\_DCH in PS)  
(3.84 Mcps TDD option)

Information Element	Value/remark	Version
Message Type	0	
RRC transaction identifier	0	
Integrity check info	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.	
- message authentication code	SS provides the value of this IE, from its internal counter.	
- RRC message sequence number	Not Present	
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below.	
Ciphering mode info	Else, this IE is omitted.	
- Ciphering mode command	Start/restart	
- Ciphering algorithm	Use one of the supported ciphering algorithms	
- Ciphering activation time for DPCH	(256+CFN-(CFN MOD 8 + 8))MOD 256	
- Radio bearer downlink ciphering activation time info	Not Present	
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
<del>CHOICE specification mode</del>	<del>Complete specification</del>	<del>REL-5</del>
<del>- Complete specification</del>		<del>REL-5</del>
- Signalling RB information to setup	Not Present	
- RAB information for setup		
- RAB info	0000 0101B	
- RAB 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	UseT314	
- RB information to setup		
- RB identity	20	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	128	
- Timer_RST	500	
- Max_RST	4	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_PDU	Not Present	
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Windows	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	128	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	

Information Element	Value/remark	Version
- Timer_STATUS_periodic	Not Present	
- RB mapping info	2 RBMuxOptions	
- Information for each multiplexing option	Not Present	
- RLC logical channel mapping indicator	1	
- Number of uplink RLC logical channels	DCH	
- Uplink transport channel type	1	
- UL Transport channel identity	Not Present	
- Logical channel identity	Configured	
- CHOICE RLC size list	8	
- MAC logical channel priority		
- Downlink RLC logical channel info	1	
- Number of downlink RLC logical channels	DCH	
- Downlink transport channel type	6	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	Not Present	
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	7	
- CHOICE RLC size list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	8	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	7	
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
UL Transport channel information for all transport channels		
- PRACH TFCS	Not Present	
- CHOICE mode	TDD	
- Individual UL CCTrCH information		
- TFCS ID	(This IE is repeated for TFC number.)	
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)	
- PRACH TFCS	(This IE is repeated for TFC number.)	
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- TFCS complete reconfigure information		
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set	
- CTFC information	Not Present	
- CHOICE mode	TDD	
- Individual UL CCTrCH information	Not Present	
Deleted TrCH information list	Not Present	
Added or Reconfigured TrCH information list		
- Added or Reconfigured UL TrCH information		
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
- Dynamic Transport format information		
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set	
- Number of TBs and TTI List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE Logical Channel list	All	
- Semi-static Transport Format information		
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set	
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set	
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>CHOICE mode</li> <li>DL Transport channel information common for all transport channel                             <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Individual DL CCTrCH information   <ul style="list-style-type: none"> <li>- DL TFCS Identity   <ul style="list-style-type: none"> <li>- TFCS Id</li> <li>- Shared Channel Indicator</li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE DL parameters                                     <ul style="list-style-type: none"> <li>- DL DCH TFCS   <ul style="list-style-type: none"> <li>- CHOICE TFCI signalling   <ul style="list-style-type: none"> <li>- TFCI Field 1 information   <ul style="list-style-type: none"> <li>- CHOICE TFCS representation   <ul style="list-style-type: none"> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>Added or Reconfigured TrCH information list                             <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information                                     <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS   <ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information   <ul style="list-style-type: none"> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>Frequency info                             <ul style="list-style-type: none"> <li>-CHOICE mode</li> <li>- UARFCN (Nt)</li> </ul> </li> <li>Maximum allowed UL TX power</li> <li>CHOICE channel requirement                             <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- UL Target SIR</li> <li>- CHOICE UL OL PC info   <ul style="list-style-type: none"> <li>- CHOICE TDD option   <ul style="list-style-type: none"> <li>- Individual timeslot interference info</li> <li>- Individual timeslot interference</li> <li>- DPCH Constant Value</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE mode</li> </ul>	<p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set TDD (no data)</p> <p>Not Present TDD</p> <p>1 FALSE Independent (This IE is repeated for TFC number.) Normal</p> <p>Complete</p> <p>Refer to TS34.108 clause 6. Refer to TS34.108 clause 6.</p> <p>DCH 6 Explicit</p> <p>Dedicated transport channels (This IE is repeated for TFI number) Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set ALL</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p> <p>-6.3</p> <p>TDD Reference to clause 5.1 Test frequencies 30 dBm Uplink DPCH info</p> <p>TDD Reference to TS34.108 Parameter set. Individually signalled 3.84 Mcps</p> <p>Values are used for open loop power control, section 8 in TS 25.331 TDD</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List                             <ul style="list-style-type: none"> <li>- TFCS Id</li> <li>- Time info                                     <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> <li>- Repetition Period</li> <li>- Repetition Length</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> </ul> </li> <li>- TFCI existence</li> <li>- Midamble shift and burst type                             <ul style="list-style-type: none"> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>-CHOICE Burst Type   <ul style="list-style-type: none"> <li>-Type 1   <ul style="list-style-type: none"> <li>-Midamble Allocation Mode</li> <li>- Midamble configuration burst type 1 and 3</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- First timeslot channelisation codes</li> <li>- Channelisation code</li> <li>- CHOICE more timeslots</li> </ul>	<p>Not Present</p> <p>1</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>Infinite</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>The number of an uplink timeslot that has unassigned codes.</p> <p>TRUE</p> <p>3.84 Mcps</p> <p>Default</p> <p>As defined in 3GPP TS 25.221</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p> <p>(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.</p> <p>The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned.</p> <p>Not Present</p>	<p>REL-5</p>
<p>Downlink HS-PDSCH Information</p> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul> <p>Downlink information for each radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link                             <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE SyncCase</li> <li>- Timeslot</li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> </ul> </li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info   <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> </ul> </li> <li>- Common timeslot info                                     <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> </ul> </li> <li>- Downlink DPCH timeslots and codes                                     <ul style="list-style-type: none"> <li>- Individual timeslot info</li> <li>- Timeslot number</li> </ul> </li> </ul> </li> </ul>	<p>Maintain</p> <p>Not Present</p> <p>0 (single)</p> <p>TDD</p> <p>3.84 Mcps (no data)</p> <p>Not Present</p> <p>TDD</p> <p>Sync Case 1</p> <p>PCCPCH timeslot</p> <p>0</p> <p>TDD</p> <p>1</p> <p>(256+CFN-(CFN mod 8 + 8))mod 256</p> <p>infinite</p> <p>Reference to TS34.108</p> <p>TRUE</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>Empty</p> <p>The number of a downlink timeslot that has</p>	<p>REL-5</p>

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>-CHOICE Burst Type                                     <ul style="list-style-type: none"> <li>-Type 1   <ul style="list-style-type: none"> <li>-Midamble Allocation Mode</li> </ul> </li> <li>- Midamble configuration burst type 1 and 3</li> </ul> </li> </ul> </li> <li>- First timeslot channelisation codes</li> <li>- First channelisation code                             <ul style="list-style-type: none"> <li>- Last channelisation code</li> </ul> </li> <li>- Bitmap</li> <li>- CHOICE more timeslots</li> <li>- UL CCTrCH TPC List</li> <li>-SCCPCH information for FACH</li> </ul>	unassigned codes. TRUE  3.84 Mcps  Default As defined in 3GPP TS 25.221  (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set.. (j/SF) where j is the highest numbered code that is being assigned in the slot. Bitmap of the codes that are being assigned in the slot.  The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..  Not Present  Not Present	

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

Information Element	Condition	Value/remark	Version
Message Type	A1, A2, A3, A4, A5, A6, A7, A8		
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3	
Integrity check info <ul style="list-style-type: none"> <li>- message authentication code</li> <li>- RRC message sequence number</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. SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3, A7, A8	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$	
Activation time	A4, A5, A6	Now	
New U-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	
New C-RNTI	A1, A2, A3, A4, A7, A8	Not Present	
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	
New H-RNTI		Not Present	REL-5
RRC State indicator	A1, A2, A3, A4, A7, A8	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	

Information Element	Condition	Value/remark	Version
CN information info		Not Present	
URA identity		Not Present	
CHOICE specification mode		Complete specification	REL-5
Complete specification			REL-5
- Signalling RB information to setup list		Not Present	
<ul style="list-style-type: none"> <li>- RAB information for setup list</li> <li>- RAB info                             <ul style="list-style-type: none"> <li>- RAB identity                                     <ul style="list-style-type: none"> <li>- CHOICE RAB identity type</li> <li>- RAB identity</li> </ul> </li> </ul> </li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup list</li> <li>- RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode   <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> </ul> </li> <li>- RB mapping info                                     <ul style="list-style-type: none"> <li>- Information for each multiplexing option   <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels   <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info   <ul style="list-style-type: none"> <li>- Number of downlink RLC logical channels   <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> </ul> </li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	A1, A7	RAB identity (GSM-MAP) 0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not Present useT314  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 1 Not Present Configured 8  1 DCH 6 Not Present Not Present	
RAB information to setup list <ul style="list-style-type: none"> <li>- RAB info                             <ul style="list-style-type: none"> <li>- RAB identity                                     <ul style="list-style-type: none"> <li>- CHOICE RAB identity type</li> <li>- RAB identity</li> </ul> </li> </ul> </li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup list</li> <li>- RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode   <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> </ul> </li> <li>- RB mapping info                                     <ul style="list-style-type: none"> <li>- Information for each multiplexing option   <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels   <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	A2, A8	RAB identity (GSM-MAP) 0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not Present useT314  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE <i>RLC size list</i></li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		1 Not Present Configured 6  1 DCH 6 Not Present Not Present	
<ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode                             <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode                             <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> <li>- RB mapping info</li> <li>- Information for each multiplexing option                             <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> </ul> </li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE <i>RLC size list</i></li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		11 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 2 Not Present Configured 6  1 DCH 7 Not Present Not Present	
<ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode                             <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode                             <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> <li>- RB mapping info</li> <li>- Information for each multiplexing option                             <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> </ul> </li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE <i>RLC size list</i></li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		12 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 3 Not Present Configured 7  1 DCH 8 Not Present Not Present	
RAB information for setup list  <ul style="list-style-type: none"> <li>- RAB info</li> <li>- RAB identity                             <ul style="list-style-type: none"> <li>- CHOICE RAB identity type</li> <li>- RAB identity</li> </ul> </li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> </ul>	A3, A4, A5, A6	RAB identity (GSM-MAP) 0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Re-establishment timer</li> <li>- RB information to setup list</li> <li>- RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info                                     <ul style="list-style-type: none"> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> </ul> </li> </ul> </li> <li>- CHOICE RLC info type                             <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode                                     <ul style="list-style-type: none"> <li>- Transmission RLC discard   <ul style="list-style-type: none"> <li>- CHOICE SDU Discard Mode   <ul style="list-style-type: none"> <li>- MAX_DAT</li> <li>- Timer_MRW</li> <li>- MaxMRW</li> </ul> </li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info   <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> </ul> </li> </ul> </li> <li>- CHOICE Downlink RLC mode                                     <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info   <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> </ul> </li> <li>- RB mapping info                             <ul style="list-style-type: none"> <li>- Information for each multiplexing option                                     <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels   <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> <li>- CHOICE RLC size list   <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> </ul> </li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of downlink RLC logical channels   <ul style="list-style-type: none"> <li>- Downlink transport channel type   <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels   <ul style="list-style-type: none"> <li>- Uplink transport channel type   <ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> <li>- CHOICE RLC size list   <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of downlink RLC logical channels   <ul style="list-style-type: none"> <li>- Downlink transport channel type   <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li></ul>		useT315  20  FALSE Not present Not present Not present RLC info AM RLC  Max DAT retransmissions 4 100 4 128 500 4  200 200 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 128  200 200 TRUE Not Present  2 RBMuxOptions Not Present 1 DCH 1 Not Present Configured 8  1 DCH 6 Not Present Not Present Not Present 1 RACH Not Present 7 Explicit list Reference to TS34.108 clause 6 Parameter Set 8  1 FACH Not Present Not Present 8	
RB information to be affected list	A1, A2, A3,	Not Present	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	<p>1 to maxTF</p>	<p>Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set All</p> <p>Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set</p>	
<p>Added or Reconfigured TrCH information list</p>	<p>A2, A8</p>	<p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH)</p>	
<ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	<p>1 to maxTF</p>	<p>DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set All</p> <p>Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set</p>	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> </ul>	<p>1 to maxTF</p>	<p>DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set All</p> <p>Reference to TS34.108 clause 6.11</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> </ul>	<p>1 to maxTF</p> <p>1 to maxTF</p>	<p>Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set DCH 2</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set All</p> <p>Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set DCH 3</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set All</p> <p>Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set</p>	
- CRC size		Reference to TS34.108 clause 6.11 Parameter Set	
CHOICE mode		TDD (no data)	
DL Transport channel information common for all transport channel	A1, A2, A7, A8	Not Present	
- SCCPCH TFCS		TDD	
- CHOICE mode			
- Individual DL CCTrCH information			
- DL TFCS Identity		2	
- TFCS ID		FALSE	
- Shared Channel Indicator		SameAsUL	
- CHOICE DL parameters			
- UL DCH TFCS Identity			
- TFCS ID		1	

Information Element	Condition	Value/remark	Version
- Shared Channel Indicator		FALSE	
DL Transport channel information common for all transport channel - SCCPCH TFCS - CHOICE mode - Individual DL CCTrCH information - DL TFCS Identity - TFCS ID - Shared Channel Indicator - CHOICE DL parameters - DL TFCS - CHOICE TFCI Signalling - TFCI Field 1 Information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size  - CTFC information  - CTFC  - Power offset information	A3, A4, A5, A6	Not Present TDD  2 FALSE Independent  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.11.5.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4 Reference to TS34.108 clause 6.11.5.4 Parameter Set Not Present	
Deleted TrCH information list	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	
Added or Reconfigured TrCH information list - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value	A1	1 DCH added, 1 DCH reconfigured  DCH 10 Same as UL DCH 5  -2.0 Real(-6.3..0 by step of 0.1) DCH 6 Same as UL DCH 1  -2.0 Real(-6.3..0 by step of 0.1)	
Added or Reconfigured TrCH information list - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - Semi-static Transport Format information	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH)  DCH 10 Same as UL DCH 5  -2.0 Real(-6.3..0 by step of 0.1) DCH 6 Explicit  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- Transparent mode signalling info</li> </ul>		Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Not Present	
Added or Reconfigured TrCH information list  <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information                             <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters                                     <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul> </li> <li>- DCH quality target</li> <li>- Transparent mode signalling info</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters                                     <ul style="list-style-type: none"> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information   <ul style="list-style-type: none"> <li>- RLC Size</li> </ul> </li> </ul> </li> </ul> </li> <li>- Number of TBs and TTI List                             <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul> </li> <li>- Semi-static Transport Format information                             <ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul> </li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target                             <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters                             <ul style="list-style-type: none"> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information                                     <ul style="list-style-type: none"> <li>- RLC Size</li> </ul> </li> </ul> </li> <li>- Number of TBs and TTI List                             <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul> </li> <li>- Semi-static Transport Format information                             <ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul> </li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> </ul>	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for DTCH)  DCH 10 Same as UL DCH 5  Not Present DCH 6 Explicit  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set  -2.0 DCH 7 Explicit  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CRC size</li> <li>- DCH quality target <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters <ul style="list-style-type: none"> <li>- TFS</li> <li>- CHOICE Transport channel type <ul style="list-style-type: none"> <li>- Dynamic transport format information</li> <li>- RLC Size</li> </ul> </li> </ul> </li> <li>- Number of TBs and TTI List <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul> </li> <li>- Semi-static Transport Format information <ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul> </li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> </ul>		Parameter Set Reference to TS34.108 clause 6.11 Parameter Set -2.0 DCH 8 Explicit  Dedicated transport channels  Reference to TS34.108 clause 6.11 Parameter Set (This IE is repeated for TF number.) Not Present Reference to TS34.108 clause 6.11 Parameter Set  Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set Reference to TS34.108 clause 6.11 Parameter Set -2.0	
Frequency info <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- UARFCN (Nt)</li> </ul>	A1, A2, A3, A4, A5, A7, A8	TDD Reference to clause 5.1 Test frequencies	
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1, A2, A3, A4, A7, A8	33dBm	
Maximum allowed UL TX power	A5, A6	Not Present	
CHOICE <i>channel requirement</i>	A5, A6	Not Present	
CHOICE <i>channel requirement</i> <ul style="list-style-type: none"> <li>- Uplink DPCH power control info <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- CHOICE TDD option <ul style="list-style-type: none"> <li>- PRXPDPCHdes</li> </ul> </li> <li>- CHOICE <i>UL OL PC info</i> <ul style="list-style-type: none"> <li>- Broadcast UL OL PC info</li> </ul> </li> </ul> </li> <li>- Uplink Timing Advance Control</li> </ul>	A1, A2, A3, A4, A7, A8	Uplink DPCH info  TDD 1.28 Mcps TDD Integer (-120...-58 by step of 1)  Null Not Present	
<ul style="list-style-type: none"> <li>- UL CCTrCH List</li> <li>- TFCS ID</li> </ul>		1	
<ul style="list-style-type: none"> <li>- UL Target SIR</li> </ul>		Real (-11 .. 20 by step of 0.5dB) Reference to TS34.108 Parameter set.	
<ul style="list-style-type: none"> <li>- Time info <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> </ul> </li> <li>- Puncturing limit</li> </ul>		(256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite  Default value is "Frame" Reference to TS34.108 clause 6 Parameter set Reference to TS34.108 clause 6 Parameter set	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Repetition period</li> <li>- Repetition length</li> <li>- Uplink DPCH timeslots and code</li> <li>- Dynamic SF usage</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> <li>- CHOICE TDD option</li> <li>- Timeslot number</li> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> </ul>		<p>1</p> <p>FALSE</p> <p>1.28 Mcps TDD 1 OR 2 OR 3</p> <p>TRUE</p>	
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> <li>- Midamble allocation mode</li> <li>- Midamble configuration</li> <li>- Midamble Shift</li> <li>- CHOICE TDD option</li> <li>- Modulation</li> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Symbols</li> <li>- First timeslot Code List</li>   <li>- channelisation codes</li>   <li>- CHOICE more timeslots</li> <li>- UL CCTrCH List to Remove</li> </ul> <p>CHOICE Mode</p> <p>Downlink HS-PDSCH Information</p> <p>Downlink information common for all radio links</p> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> </ul>	<p>A1, A2, A3, A4, A5, A6, A7, A8</p> <p>A5, A6</p> <p>A1, A2, A3</p>	<p>1.28 Mcps TDD</p> <p>Default midamble</p> <p>16</p> <p>Not Present</p> <p>1.28 Mcps TDD</p> <p>QPSK</p> <p>1</p> <p>Not present</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p> <p>(SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.</p> <p>No more timeslots</p> <p>Not present</p> <p>TDD</p> <p>Not Present</p> <p>Not Present</p> <p>Maintain</p> <p>Not Present</p>	REL-5
<ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- TPC Step Size</li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option</li> <li>- TSTD indicator</li> <li>- Default DPCH Offset Value</li> </ul> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- TPC Step Size</li> <li>- MAC-d HFN initial value</li> <li>- CHOICE mode</li> <li>- CHOICE mode</li> <li>- CHOICE TDD option</li> <li>- TSTD indicator</li> </ul>	A4, A7, A8	<p>TDD</p> <p>1</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Not Present</p> <p>Initialise</p> <p>Not Present</p> <p>TDD</p> <p>1</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p>	
<ul style="list-style-type: none"> <li>- Default DPCH Offset Value</li> <li>- CHOICE mode</li> <li>- Default DPCH Offset Value</li> </ul> <p>Downlink information per radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	A1, A2, A3, A4, A7, A8	<p>TDD</p> <p>0 Integer(0..7)</p>	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info</li> <li>- Choice mode</li> <li>- Choice TDD Option</li> <li>- TSTD indicator</li> <li>- Cell parameters ID</li>   <li>- SCTD indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode</li> <li>- DL CCTrCh List</li> <li>- TFCS ID</li> <li>- Time info</li> <li>- Activation time</li> <li>- Duration</li> <li>- Common timeslot info</li> <li>- 2<sup>nd</sup> interleaving mode</li> </ul>		<p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (TDD)</p> <p>Integer(0..127)</p> <p>FALSE</p> <p>TDD</p> <p>2 Integer(1.8)</p> <p>Now</p> <p>Infinite</p> <p>Default value is "Frame"</p>	
<ul style="list-style-type: none"> <li>- TFCI coding</li>   <li>- Puncturing limit</li>   <li>- Repetition period</li> <li>- Repetition length</li> <li>- Downlink DPCH timeslots and codes</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> <li>- CHOICE TDD option</li> </ul>		<p>Reference to TS34.108 clause 6 Parameter set</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>NULL</p> <p>1.28 Mcps TDD</p>	
<ul style="list-style-type: none"> <li>- Timeslot number</li> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> <li>- CHOICE TDD option</li> <li>- Midamble allocation mode</li> <li>- Midamble configuration</li> <li>- Midamble Shift</li> <li>- CHOICE TDD option</li> <li>- Modulation</li> <li>- SS-TPC Symbols</li> <li>- Additional TPC-SS Sysbols</li> <li>- First timeslot channelisation codes</li>   <li>- CHOICE codes representation</li> <li>- Channelisation codes bitmap</li>   <li>- CHOICE more timeslots</li> <li>- UL CCTrCH TPC List</li>   <li>- UL TPC TFCS Identity</li> <li>- TFCS ID</li> <li>- Shared Channel Indicator</li> <li>- DL CCTrCH List to Remove</li> <li>- SCCPCH Information for FACH</li> </ul> <p>Downlink information per radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CCPCH info</li> <li>- Choice mode</li> <li>- Choice TDD Option</li> <li>- TSTD indicator</li> <li>- Cell parameters ID</li> </ul>	<p>A5</p>	<p>4 OR 5 OR 6</p> <p>TRUE</p> <p>1.28 Mcps TDD</p> <p>Default midamble</p> <p>16</p> <p>Not Present</p> <p>1.28 Mcps TDD</p> <p>QPSK</p> <p>1</p> <p>Not present</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p> <p>Reference to TS34.108 clause 6.11 Parameter Set</p> <p>No more timeslots</p> <p>This list is not required for 1.28 Mcps TDD and is to be ignored by the UE.</p> <p>1</p> <p>FALSE</p> <p>Not present</p> <p>Not Present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>FALSE</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (TDD)</p>	

Information Element	Condition	Value/remark	Version
- SCTD indicator		Integer(0..127) FALSE	
- Downlink DPCH info for each RL		Not Present	
- SCCPCH Information for FACH		Not Present	
Downlink information per radio link list	A6	Not Present	

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

Contents of RADIO BEARER SETUP COMPLETE message: AM

Information Element	Value/remark	Version
Message Type RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.	REL-4
Integrity check info - Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.	
Uplink integrity protection activation info CHOICE mode - CHOICE <i>TDD option</i>	Not checked. TDD Check that this IE is present	
START	Not checked (if ciphering is OFF), check the presence if ciphering is ON.	
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB establishment procedure. Else, this IE is absent.	
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER SETUP message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.	
Uplink counter synchronisation info	Not present	

Contents of RADIO BEARER SETUP FAILURE message: AM

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

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

Information Element	Value/remark	Version
Message Type RRC transaction identifier  Integrity check info - Message authentication code  - RRC Message sequence number  Uplink integrity protection activation info CHOICE mode - CHOICE TDD option COUNT-C activation time  Radio bearer uplink ciphering activation time info  Uplink counter synchronisation info	Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.  This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Not checked. TDD 1.28 Mcps TDD (no data) The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB release procedure. Else, this IE is absent. If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs. Not checked	

Contents of RADIO BEARER RELEASE FAILURE message: AM

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

Contents of RRC CONNECTION REQUEST message: TM

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

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
Message Type		
U-RNTI	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent. 0000 0000 0001B	R99, REL-4
- SRNC identity		
- S-RNTI	0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	REL-5
- U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
- Group identity	[FFS]	
- Group release information	[FFS]	
RRC transaction identifier	0	
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 RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION RELEASE message.
Integrity check info	
- Message authentication code	Checked to see if it's identical to the value of XMAC-I calculated by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	Checked to see if it is present. This number is used by the SS to compute the XMAC-I
Error indication	Not checked

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

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	0	
Activation time	Not Present(Now)	
New U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	FALSE	
- UE radio access TDD capability update requirement	TRUE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type		
- RLC info		
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Explicit List	
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Logical channel identity</li> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- SDU discard mode</li> <li>- MAX_DAT</li> </ul>	<p>1 (AM DCCH for RRC) Not Present</p> <p>AM RLC</p> <p>No Discard 15</p>	
<ul style="list-style-type: none"> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Window</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul>	<p>128 500 1</p> <p>200 200 Not present 1</p> <p>TRUE TRUE 99 Not Present</p> <p>AM RLC TRUE 128</p> <p>200 Not Present TRUE Not Present</p>	
<ul style="list-style-type: none"> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> </ul>	<p>2 RBMuxOptions</p>	
<ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> </ul>	<p>Not Present</p>	
<ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> </ul>	<p>1 DCH 5 2 Configure 2</p> <p>1 DCH 10</p>	
<ul style="list-style-type: none"> <li>- DL DSCH Transport channel identity</li> </ul>	<p>Not Present</p>	
<ul style="list-style-type: none"> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> </ul>	<p>2 Not Present</p>	
<ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> </ul>	<p>1 RACH Not Present 2 Explicit List According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p>	
<ul style="list-style-type: none"> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> </ul>	<p>2</p> <p>1 FACH Not Present</p>	
<ul style="list-style-type: none"> <li>- DL DSCH Transport channel identity</li> </ul>	<p>Not Present</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Logical channel identity</li> <li>Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- SDU discard mode</li> <li>- MAX_DAT</li> </ul>	2 (AM DCCH for NAS_DT High priority) Not Present  AM RLC  No Discard 15	
<ul style="list-style-type: none"> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> </ul>	128 500 1  200 200 Not present 1 TRUE TRUE 99 Not Present AM RLC TRUE 128  200 Not Present TRUE Not Present  2 RBmuxOptions  Not Present  1 DCH 5 3 Configured 3  1 DCH 10  Not Present  3 Not Present  1 RACH Not Present 3 Explicit List According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer 3  1 FACH Not Present  Not Present	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Logical channel identity</li> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- SDU discard mode</li> <li>- MAX_DAT</li> </ul>	<p>3 (AM DCCH for NAS_DT Low priority) Not Present</p> <p>AM RLC</p> <p>No discard 15</p>	
<ul style="list-style-type: none"> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> </ul>	<p>128 500 1</p> <p>200 200 Not present 1 TRUE TRUE 99 Not Present AM RLC TRUE 128 200 Not Present TRUE Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1 DCH 5 4 Configured 4</p> <p>1 DCH 10</p> <p>Not Present</p> <p>4 Not Present</p> <p>1 RACH Not Present 4 Explicit List According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer 4</p> <p>1 FACH Not Present</p> <p>Not Present</p>	



Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Logical channel identity</li> </ul> <p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> <li>- UL TFCS ID</li> <li>- UL TFCS</li> <li>- TFC subset</li> </ul> </li> </ul> <p>combination</p> <ul style="list-style-type: none"> <li>- Allowed Transport Format</li> <li>- PRACH TFCS</li> <li>- CHOICE TFCSI signalling                             <ul style="list-style-type: none"> <li>- TFCSI Field 1 information</li> <li>- TFCS complete</li> </ul> </li> </ul> <p>reconfigure information</p> <ul style="list-style-type: none"> <li>- CHOICE TFCS Size</li> <li>- CTFC information</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> </ul> <p>Deleted TrCH information list</p> <p>Added or Reconfigured UL TrCH information</p>	<p>4</p> <p>Not Present</p> <p>TDD</p> <p>(This IE is repeated for TFC number.)</p> <p>Default value is the complete existing set of transport format combinations</p> <p>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</p> <p>(This IE is repeated for TFC number.)</p> <p>Normal</p> <p>Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set</p> <p>Not Present</p> <p>TDD</p> <p>Not Present</p> <p>Not Present</p>	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC size</li> <li>- Number of TBs and TTI lists</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- CHOICE Logical channel list</li> <li>- Semi-static Transport Format information</li> </ul> <p>DL Transport channel information common for all transport channel</p> <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- Individual DL CCTrCH information                             <ul style="list-style-type: none"> <li>- DL TFCS Identity</li> <li>- TFCS ID</li> <li>- Shared Channel Indicator</li> </ul> </li> <li>- CHOICE DL parameters</li> </ul> <p>Added or Reconfigured TrCH information list</p> <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> </ul>	<p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>(This IE is repeated for TFI number)</p> <p>TDD</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>All</p>	
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- Individual DL CCTrCH information                             <ul style="list-style-type: none"> <li>- DL TFCS Identity</li> <li>- TFCS ID</li> <li>- Shared Channel Indicator</li> </ul> </li> <li>- CHOICE DL parameters</li> </ul> <p>Added or Reconfigured TrCH information list</p> <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> </ul> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- DCH quality target</li> <li>- BLER Quality target</li> </ul> <p>Frequency info</p> <p>Maximum allowed UL TX power</p> <p>HOICE channel requirement</p> <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> </ul>	<p>Not Present</p> <p>TDD</p> <p>1</p> <p>Same as UL</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>-6.3</p> <p>Not Present</p> <p>Not Present</p> <p>Uplink DPCH info</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- UL target SIR</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- CHOICE <i>UL OL PC info</i></li> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- Individual timeslot</li> </ul> </li> </ul> </li> </ul> <p>interference info</p> <ul style="list-style-type: none"> <li>- Individual timeslot interference                             <ul style="list-style-type: none"> <li>- DPCH Constant Value</li> <li>- Primary CCPCH Tx Power</li> </ul> </li> <li>- Time info                             <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> <li>- Repetition Period</li> <li>- Repetition Length</li> <li>- Uplink DPCH timeslots and codes                                     <ul style="list-style-type: none"> <li>- CPCH SET Info</li> </ul> </li> </ul> </li> </ul> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL                             <ul style="list-style-type: none"> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information                                     <ul style="list-style-type: none"> <li>- DPC mode</li> <li>- CHOICE mode   <ul style="list-style-type: none"> <li>- CHOICE <i>TDD option</i></li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul> </li> </ul> </li> </ul> <p>Downlink information for each radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link                             <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE <i>SyncCase</i> <ul style="list-style-type: none"> <li>- Timeslot</li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> <li>- Downlink DPCH info for each RL                                     <ul style="list-style-type: none"> <li>- CHOICE mode   <ul style="list-style-type: none"> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info   <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info   <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> </ul> </li> <li>- Downlink DPCH timeslots and codes   <ul style="list-style-type: none"> <li>- CHOICE <i>more timeslots</i></li> <li>- CHOICE <i>TDD option</i></li> <li>- Timeslot number   <ul style="list-style-type: none"> <li>- Individual timeslot info   <ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Midamble shift and</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>TDD</p> <p>3.84 Mcps</p> <p>Reference to TS34.108 Parameter set</p> <p>TDD</p> <p>Individually signalled</p> <p>3.84 Mcps</p> <p>Not Present</p> <p>Not Present</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>Infinite</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Default is to use the old timeslots and codes</p> <p>(no data)</p> <p>Maintain</p> <p>Not Present</p> <p>0 (single)</p> <p>TDD</p> <p>3.84 Mcps (no data)</p> <p>Not Present</p> <p>TDD</p> <p>Sync Case 1</p> <p>PCCPCH timeslot</p> <p>0</p> <p>TDD</p> <p>1</p> <p>(256+CFN-(CFN mod 8 + 8))mod 256</p> <p>infinite</p> <p>Reference to TS34.108</p> <p>TRUE</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>Empty</p> <p>3.84 Mcps</p> <p>The number of a downlink timeslot that has unassigned codes in a frame.</p> <p>TRUE</p>	

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

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

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	0	
Activation time	Not Present(Now)	
New U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9, Integer(3...9)	
Capability update requirement		
- UE radio access FDD capability update requirement	FALSE	
- UE radio access 3.84 Mcps TDD capability update requirement	FALSE	
- UE radio access 1.28 Mcps TDD capability update requirement	TRUE	
- System specific capability update requirement list	Not Present	
ode		
tion to setup list		

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE Downlink RLC mode</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> </ul>	<ul style="list-style-type: none"> <li>(UM DCCH for RRC)</li> <li>1</li> <li>RLC info</li> <li>UM RLC</li> <li>Not Present</li> <li>UM RLC</li> <li>2 RBMuxOptions</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>5</li> <li>1</li> <li>Configured</li> <li>1</li> <li>1</li> <li>DCH</li> <li>10</li> <li>Not Present</li> <li>Not Present</li> <li>1</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>1</li> <li>Explicit List</li> <li>Reference to TS34.108 clause 6 Parameter Set</li> <li>1</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> <li>1</li> <li>(AM DCCH for RRC)</li> <li>2</li> <li>RLC info</li> <li>AM RLC</li> <li>No Discard</li> <li>15</li> <li>128</li> <li>500</li> <li>1</li> <li>200</li> <li>200</li> <li>Not present</li> </ul>	

Information Element	Value/remark	Version
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Window	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	128	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	2	
- CHOICE RLC size list	Configure	
- MAC logical channel priority	2	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity		
- 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	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	2	
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)	
- RB identity	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	128	
- Timer_RST	500	
- Max_RST	1	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_PDU	Not present	

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

Information Element	Value/remark	Version
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Windows	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	128	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	4	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	4	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity		
- 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	
- 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	
- UL Transport channel information for all transport channels		
- PRACH TFCS	Not Present	
- CHOICE mode	TDD	
- Individual UL CTrCH information		
- UL TFCS ID	(This IE is repeated for TFC number.)	
- TFCS ID	1	
- Shared Channel Indicator	FALSE	
- UL TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 Information		
- CHOICE TFCS	Complete reconfiguration	
representation		
- TFCS complete		
reconfiguration information		
- CHOICE CTFC Size	Configured, Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.11.5.4 Parameter Set.	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4	

<b>Information Element</b>	<b>Value/remark</b>	<b>Version</b>
	Parameter Set	



Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CTFC</li> </ul>	Reference to TS34.108 clause 6.11.5.4 Parameter Set	
<ul style="list-style-type: none"> <li>- Power offset</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE Gain</li> </ul>	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)	
<ul style="list-style-type: none"> <li>- Reference TFC ID</li> </ul>	0, Integer(0.. 3)	
<ul style="list-style-type: none"> <li>- CHOICE Gain</li> </ul>	Signalled Gain Factors(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- Gain Factor <input type="checkbox"/>d</li> </ul>	15	
<ul style="list-style-type: none"> <li>- Reference TFC ID</li> </ul>	0, Integer (0..3)	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- TFC subset</li> </ul>	Default value is the complete existing set of transport format combinations	
<ul style="list-style-type: none"> <li>- CHOICE <i>Subset representation</i></li> </ul>	Allowed transport format combination list	
<ul style="list-style-type: none"> <li>- Allowed Transport Format combination</li> </ul>	0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)	
<ul style="list-style-type: none"> <li>- Transport format combination</li> </ul>	Integer (0.. 1023)	
<ul style="list-style-type: none"> <li>- TFC subset list</li> </ul>	Not present	
<ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information list</li> </ul>		
<ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> </ul>		
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	5	
<ul style="list-style-type: none"> <li>- TFS</li> </ul>	Dedicated transport channels	
<ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> </ul>		
<ul style="list-style-type: none"> <li>- Dynamic Transport format information</li> </ul>	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer (This IE is repeated for TFI number)	
<ul style="list-style-type: none"> <li>- RLC size</li> </ul>	Not Present	
<ul style="list-style-type: none"> <li>- Number of TBs and TTI lists</li> </ul>	Reference to TS34.108 clause 6.11 Parameter Set	
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>	Set	
<ul style="list-style-type: none"> <li>- Number of Transport blocks</li> </ul>	All	
<ul style="list-style-type: none"> <li>- CHOICE Logical channel list</li> </ul>		
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> </ul>		
<ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul>	Reference to TS34.108 clause 6.11 Parameter Set	
<ul style="list-style-type: none"> <li>- Type of channel coding</li> </ul>	Reference to TS34.108 clause 6.11 Parameter Set	
<ul style="list-style-type: none"> <li>- Coding Rate</li> </ul>	Reference to TS34.108 clause 6.11 Parameter Set	
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> </ul>	Reference to TS34.108 clause 6.11 Parameter Set	
<ul style="list-style-type: none"> <li>- DL Transport channel information common for all transport channel</li> </ul>		
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> </ul>	Not Present	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>-Individual DL CCTrCH information</li> </ul>		
<ul style="list-style-type: none"> <li>- DL TFCS Identity</li> </ul>	1	
<ul style="list-style-type: none"> <li>- TFCS ID</li> </ul>	FALSE	
<ul style="list-style-type: none"> <li>- Shared Channel Indicator</li> </ul>	Same as UL	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>		
<ul style="list-style-type: none"> <li>- Added or Reconfigured TrCH information list</li> </ul>		
<ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> </ul>		
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>	10	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Same as UL	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	5	

Information Element	Value/remark	Version
-DCH quality target	-6.3	
- BLER Quality target		
Frequency info	Not Present	
Maximum allowed UL TX power	33dBm	
HOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- CHOICE mode	TDD	
- CHOICE <i>TDD option</i>	1.28 Mcps TDD	
- PRX <sub>DPCHdes</sub>	Reference to TS34.108 clause 6.11 Parameter set	
- CHOICE <i>UL OL PC info</i>	Individually signalled	
- CHOICE <i>TDD option</i>	1.28 Mcps TDD	
- TPC step size	1 dB	
- Primary CCPCH Tx Power	Not Present	
- CHOICE mode	TDD	
- Uplink Timing Advance Control		
- CHOICE Timing Advance	Enabled	
- CHOICE TDD option	1.28 Mcps TDD	
- Uplink synchronisation parameters		
- Uplink synchronisation step size	1	
- Uplink synchronisation frequency	1	
- Synchronisation parameters	Not present	
- UL CCTrCH List		
- TFCS ID	1	
- UL Target SIR	Real (-11 .. 20 by step of 0.5dB)	
	Reference to TS34.108 clause 6.11 Parameter set.	
- Time info		
- Activation time	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$	
- Duration	Infinite	
- Common timeslot info		
- 2 <sup>nd</sup> interleaving mode	Reference to TS34.108 clause 6 Parameter Set	
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set	
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set	
- Repetition Period		
- Repetition Length	null	
- Uplink DPCH timeslots and codes		
- Dynamic SF usage	FALSE	
- First individual timeslot info		
- Timeslot number		
- CHOICE TDD option	1.28 Mcps TDD	
- Timeslot number	1 OR 2 OR 3	
- TFCI existence	TRUE	
- Midamble shift and burst type		
- CHOICE TDD option	1.28 Mcps TDD	
- Midamble allocation mode	Default midamble	
- Midamble configuration	16	
- Midamble Shift	Not Present	
- CHOICE TDD option	1.28 Mcps TDD	
- Modulation	QPSK	
- SS-TPC Symbols	1	
- Additional TPC-SS Sysbols	Not present	
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.	
- channelisation codes	(SF/ i) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.	
- CHOICE more timeslots	No more timeslots	
- UL CCTrCH List to Remove	Not present	
Downlink information common for all radio links		
- Downlink DPCH info common for all RL		
- Timing indication	Initialize	
- CFN-targetSFN frame offset	Not Present	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE <i>mode</i></li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- TPC Step Size</li> </ul>	1 dB	
<ul style="list-style-type: none"> <li>- MAC-d HFN initial value</li> </ul>	Not Present	
<ul style="list-style-type: none"> <li>- CHOICE <i>mode</i></li> </ul>	TDD (no data)	
<ul style="list-style-type: none"> <li>- CHOICE <i>mode</i></li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul>	1.28 Mcps TDD	
<ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul>	FALSE	
<ul style="list-style-type: none"> <li>- Default DPCH Offset Value</li> </ul>	Not Present	
<ul style="list-style-type: none"> <li>Downlink information for each radio link list</li> </ul>		
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>		
<ul style="list-style-type: none"> <li>- Choice <i>mode</i></li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- Primary CCPCH info</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE <i>mode</i></li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul>	1.28 Mcps TDD	
<ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul>	FALSE	
<ul style="list-style-type: none"> <li>- Cell parameters ID</li> </ul>	Not present	
<ul style="list-style-type: none"> <li>- SCTD indicator</li> </ul>	FALSE	
<ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE <i>mode</i></li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- DL CCTrCH List</li> </ul>		
<ul style="list-style-type: none"> <li>- TFCS ID</li> </ul>	1	
<ul style="list-style-type: none"> <li>- Time info</li> </ul>		
<ul style="list-style-type: none"> <li>- Activation time</li> </ul>	(256+CFN-(CFN mod 8 + 8))mod 256	
<ul style="list-style-type: none"> <li>- Duration</li> </ul>	infinite	
<ul style="list-style-type: none"> <li>- Common timeslot info</li> </ul>		
<ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> </ul>	Reference to TS34.108 clause 6.11 Parameter set	
<ul style="list-style-type: none"> <li>- TFCI coding</li> </ul>	Reference to TS34.108 clause 6.11 Parameter set	
<ul style="list-style-type: none"> <li>- Puncturing limit</li> </ul>	Reference to TS34.108 clause 6.11 Parameter set	
<ul style="list-style-type: none"> <li>- Repetition period</li> </ul>	1	
<ul style="list-style-type: none"> <li>- Repetition length</li> </ul>	NULL	
<ul style="list-style-type: none"> <li>- Downlink DPCH timeslots and</li> </ul>		
<ul style="list-style-type: none"> <li>codes</li> </ul>		
<ul style="list-style-type: none"> <li>- First Individual timeslot info</li> </ul>		
<ul style="list-style-type: none"> <li>- Timeslot number</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE <i>more timeslots</i></li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul>	1.28 McpsTDD	
<ul style="list-style-type: none"> <li>- Timeslot number</li> </ul>	4 OR 5 OR 6	
<ul style="list-style-type: none"> <li>- Individual timeslot info</li> </ul>		
<ul style="list-style-type: none"> <li>- TFCI existence</li> </ul>	TRUE	
<ul style="list-style-type: none"> <li>- Midamble shift and burst</li> </ul>		
<ul style="list-style-type: none"> <li>type</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul>	1.28 Mcps TDD	
<ul style="list-style-type: none"> <li>-Midamble Allocation</li> </ul>	Default	
<ul style="list-style-type: none"> <li>Mode</li> </ul>		
<ul style="list-style-type: none"> <li>- Midamble configuration</li> </ul>	16 Integer(2, 4, 6, 8, 10, 12, 14, 16)	
<ul style="list-style-type: none"> <li>- Midamble Shift</li> </ul>	Not present	
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul>	1.28 Mcps TDD	
<ul style="list-style-type: none"> <li>- Modulation</li> </ul>	QPSK	
<ul style="list-style-type: none"> <li>- SS-TPC Symbols</li> </ul>	1	
<ul style="list-style-type: none"> <li>- Additional TPC-SS</li> </ul>	Not present	
<ul style="list-style-type: none"> <li>Symbols</li> </ul>		
<ul style="list-style-type: none"> <li>- First timeslot channelisation</li> </ul>		
<ul style="list-style-type: none"> <li>codes</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE codes</li> </ul>	Consecutive codes	
<ul style="list-style-type: none"> <li>representation</li> </ul>		
<ul style="list-style-type: none"> <li>- First channelisation code</li> </ul>	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..	
<ul style="list-style-type: none"> <li>- Last channelisation code</li> </ul>	(j/SF) where j is the highest numbered code that is being assigned in the slot.	
<ul style="list-style-type: none"> <li>- CHOICE more timeslots</li> </ul>	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that	

Information Element	Value/remark	Version
- UL CCTrCH TPC List	have been assigned in the first timeslot..	
- UL TPC TFCS Identity	1	
- DL CCTrCH List to Remove	Not present	
-SCCPCH information for FACH	Not Present	

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

Information Element	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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_FACH	
UTRAN DRX cycle length coefficient	9 , Integer(3...9)	
Capability update requirement		
DD capability update requirement		
3.84 Mcps TDD capability update requirement		
.28 Mcps TDD capability update requirement		
Capability update requirement list		
Mode		
Transition to setup list		
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	1	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	1 RBmuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	1	
- Signalling RB information to setup	(AM DCCH for RRC)	
- RB identity	2	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- CHOICE SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	128	

Information Element	Value/remark	Version
- Timer_RST	500	
- Max_RST	1	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_SDU	Not present	
- Last transmission PDU poll	1	
- Last retransmission PDU poll	TRUE	
- Poll_Window	TRUE	
- Timer_poll_periodic	99	
- CHOICE Downlink RLC mode	Not Present	
- In-sequence delivery	AM RLC	
- Receiving window size	TRUE	
- Downlink RLC status info	128	
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info		
- Information for each multiplexing option	1 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	2	
- CHOICE RLC size list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	2	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- DL HS-DSCH MAC-d flow identity	Not Present	
- Logical channel identity	2	
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)	
- RB identity	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	128	
- Timer_RST	500	
- Max_RST	1	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	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	
- In-sequence delivery	TRUE	
- Receiving window size	128	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	
- Timer_STATUS_periodic	Not Present	
- RB mapping info		
- Information for each multiplexing option	1 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list                             <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info                             <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> </ul> </li> <li>- Signalling RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard   <ul style="list-style-type: none"> <li>- CHOICE SDU discard mode   <ul style="list-style-type: none"> <li>- MAX_DAT</li> </ul> </li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info   <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> </ul> </li> </ul> </li> </ul> </li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Window</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode                                     <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info   <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> </ul> </li> <li>- RB mapping info                             <ul style="list-style-type: none"> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list                                     <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> <li>- UL Transport channel information for all transport channels                             <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Individual UL CCH information   <ul style="list-style-type: none"> <li>- UL TFCS Identity</li> <li>- TFCS ID</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>1 RACH Not Present 3 Explicit List Reference to TS34.108 clause 6 Parameter Set 3 1 FACH Not Present Not Present Not Present 3 (AM DCCH for NAS_DT Low priority) 4 RLC info AM RLC No discard 15 128 500 1 200 200 1 TRUE TRUE 99 Not Present AM RLC TRUE 128 200 Not Present TRUE Not Present 1 RBMuxOptions Not Present 1 RACH Not Present 4 Explicit List Reference to TS34.108 clause 6 Parameter Set 4 1 FACH Not Present Not Present Not Present 4 Not Present TDD 1</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Shared Channel Indicator</li> <li>- UL TFCS</li> <li>- CHOICE TFCI signalling                             <ul style="list-style-type: none"> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfiguration</li> </ul> </li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors                             <ul style="list-style-type: none"> <li>- Reference TFC ID</li> <li>- CHOICE Gain Factors</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Gain Factor <input type="checkbox"/> d</li> <li>- Reference TFC ID</li> </ul> </li> <li>- CHOICE mode</li> <li>- TFC subset                             <ul style="list-style-type: none"> <li>- CHOICE Subset representation</li> <li>- Allowed Transport Format combination</li> </ul> </li> <li>- Transport format combination</li> <li>- TFC subset list</li> <li>- Added or Reconfigured UL TrCH information list</li> <li>- DL Transport channel information common for all transport channel                             <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- Individual DL CCTrCH information                                     <ul style="list-style-type: none"> <li>- DL TFCS Identity</li> <li>- TFCS ID</li> <li>- Shared Channel Indicator</li> </ul> </li> <li>- CHOICE DL parameters</li> </ul> </li> <li>- Added or Reconfigured TrCH information list</li> <li>Frequency info</li> <li>Maximum allowed UL TX power</li> </ul>	<p>FALSE</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Configured, Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.11.5.4 Parameter Set.</p> <p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.11.5.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.11.5.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</p> <p>0, Integer(0.. 3)</p> <p>Signalled Gain Factors(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)</p> <p>TDD</p> <p>15</p> <p>0, Integer (0..3)</p> <p>TDD</p> <p>Default value is the complete existing set of transport format combinations</p> <p>Allowed transport format combination list 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</p> <p>Integer (0.. 1023)</p> <p>Not present</p> <p>Not present</p> <p>Not Present</p> <p>TDD</p> <p>1</p> <p>FALSE</p> <p>Same as UL</p> <p>Not present</p> <p>Not Present</p> <p>Default value is the existing maximum UL TX power</p>	
<ul style="list-style-type: none"> <li>CHOICE channel requirement</li> <li>Downlink information common for all radio links</li> <li>Downlink information for each radio link list                             <ul style="list-style-type: none"> <li>- Downlink information for each radio link                                     <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CCPCH info</li> <li>- CHOICE mode   <ul style="list-style-type: none"> <li>- CHOICE TDD option   <ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> </ul> </li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH information for FACH</li> </ul> </li> </ul>	<p>Not present</p> <p>Not present</p> <p>TDD</p> <p>TDD</p> <p>1.28 Mcps TDD</p> <p>False</p> <p>Not Present</p> <p>False</p> <p>Not Present</p> <p>Not Present</p>	

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	<a href="#">This IE is checked to see if it is present.</a> <del>Not checked</del>
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked



Contents of SECURITY MODE COMMAND message: AM

Information Element	Condition	Value/remark
Message Type RRC transaction identifier Integrity check info <ul style="list-style-type: none"> <li>- Message authentication code</li> <li>- RRC Message Sequence Number</li> </ul> Security capability <ul style="list-style-type: none"> <li>- Ciphering algorithm capability</li> <li>- UEA0</li> <li>- UEA1</li> <li>- Spare</li> <li>- Integrity protection algorithm capability</li> <li>- UIA1</li> <li>- Spare</li> </ul> Ciphering mode info <ul style="list-style-type: none"> <li>- Ciphering mode command</li> <li>- Ciphering algorithm</li> <li>- Ciphering activation time for DPCH</li> <li>- Radio bearer downlink ciphering activation time info</li> <li>- Radio bearer activation time</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> </ul> Integrity protection mode info <ul style="list-style-type: none"> <li>- Integrity protection mode command</li> <li>- Downlink integrity protection activation info</li> <li>- Integrity protection algorithm</li> <li>- Integrity protection initialisation number</li> </ul> CN domain identity UE system specific security capability	A1, A2	Arbitrarily selects an integer between 0 and 3  Set to an arbitrarily selected 32-bits integer. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. Set to an arbitrarily selected integer between 0 and 15  If ciphering is not indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE. If ciphering is indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE. FALSE 0000000000000010B (UIA1) TRUE FALSE This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted. Start/restart Use the same ciphering algorithm specified in "ciphering algorithm capability" IE in this message. Not Present  1 Current RLC SN+2 2 Current RLC SN+2 3 Current RLC SN + 2 4 Current RLC SN + 2  Start Not Present UIA1 SS selects an arbitrary 32 bits number for FRESH Supported domain Not Checked
UE system specific security capability <ul style="list-style-type: none"> <li>- Inter-RAT UE security capability</li> <li>- CHOICE system</li> <li>- GSM security capability</li> </ul>	A2	GSM The indicated algorithms must be the same as the algorithms supported by the UE as indicated in the IE " UE system specific capability " in the RRC CONNECTION SETUP COMPLETE message.

Condition	Explanation
A1	UE not supporting GSM
A2	UE supporting GSM

Contents of SECURITY MODE COMPLETE message: AM

Information Element	Value/remark
Message Type RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink SECURITY MODE COMMAND message.
Integrity check info - Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE COMMAND message, this IE must be absent. Else, SS checks this IE for the presence of activation times for all ciphered uplink RLC-UM and RLC-AM RBs.

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info - Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to supported CN domain as specified in the IXIT statements
NAS message	Set according to that indicated in specific message content clause
Measured results on RACH	Not checked

## 9.2 Default Message Contents for RF

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

### 9.2.1 Default Message Contents for RF (FDD)

Contents of Activate RB Test Mode message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	44h

## Contents of Close UE Test Loop message (UE test loop mode 1 without Dummy DCCH transmission)

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h
UE test loop mode	00h
UE test loop mode 1 LB setup	03h 00h F4h 0Ah

## Contents of Close UE Test Loop message (UE test loop mode 2 without Dummy DCCH transmission)

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h
UE test loop mode	01h

## Contents of Open UE Test Loop message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	42h

## Contents of PAGING TYPE 1 message: TM (CS)

Information Element	Value/remark
Message Type	
Paging record list	
-Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Streaming Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

## Contents of PAGING TYPE 1 message: TM (PS)

Information Element	Value/remark
Message Type	
Paging record list	
-Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Interactive Call
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (UE supports CS RAB for Test Loop Mode1)

Information Element	Value/remark	Version
Message Type	Arbitrarily selects an integer between 0 and 3	
RRC transaction identifier		
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE specification mode	Complete specification	REL-6
-Complete specification		REL-6
-- Signalling RB information to setup	Not Present	
- RAB information for setup list		
- RAB information for setup		
- RAB info		
- RAB identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup list		
- RB information to setup		
- RB identity	10	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	7	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	Not Present	
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
UL Transport channel information for all		

Information Element	Value/remark	Version
transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - 2bit CTFC -Power offset Information - CHOICE Gain Factors - Reference TFC ID - CHOICE mode - Power offset P <sub>p-m</sub> - 2bit CTFC - Power offset Information - CHOICE Gain Factors - Reference TFC ID - CHOICE mode - Power offset P <sub>p-m</sub> - 2bit CTFC - Power offset Information - CHOICE Gain Factors - Reference TFC ID - CHOICE mode - Power offset P <sub>p-m</sub> - 2bit CTFC - Power offset Information - CHOICE Gain Factors - CHOICE mode - Gain factor β <sub>c</sub> - Gain factor β <sub>d</sub> - Reference TFC ID - CHOICE mode - Power offset P <sub>p-m</sub> Deleted UL TrCH information list	Not Present FDD Not Present  Normal  Complete reconfiguration  2 bit CTFC 4 TFCs 0  Computed Gain Factors 0 FDD Not Present 2  Computed Gain Factors 0 FDD Not Present 1  Computed Gain Factors 0 FDD Not Present 3  Signalled Gain Factors FDD 8 15 0 FDD Not Present Not Present	
Added or Reconfigured UL TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport Format Information - RLC size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format Information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size	1  DCH 1  Dedicated transport channels  244 bits 2 Not Present 0 Not Present 1 ALL  20 Convolutional 1/3 256 16	
CHOICE mode - CPCH set ID - Added or Reconfigured TrCH information	FDD Not Present Not Present	

Information Element	Value/remark	Version
for DRAC list		
DL Transport channel information common for all transport channel - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters	Not Present FDD Same as UL	
Deleted DL TrCH information list Added or Reconfigured DL TrCH information list - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value	Not Present 1  DCH 6 Same as UL DCH 1  -2.0	
Frequency info Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - CHOICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - $\Delta_{ACK}$ - $\Delta_{NACK}$ - Ack-Nack repetition factor - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode - Downlink PDSCH information	Not Present 33dBm Uplink DPCH info  FDD -6dB 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present FDD Long 0 (0 to 16777215) 1 64 TRUE Not Present(0) 1 FDD Not Present	REL-5 REL-5 REL-5
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - CHOICE mode - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value	Maintain Not Present  FDD 0 (single) FDD 0 Not Present  128 Fixed TRUE 128 8 FDD Not Present None Not Present Not Present	
Downlink information per radio link list		

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> </ul> </li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> </ul> </li> <li>- DPCH frame offset</li> </ul> </li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSST Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	<ul style="list-style-type: none"> <li>FDD</li> <li>100</li> <li>Not Present</li> <li>Not Present</li> <li>FDD</li> <li>Primary CPICH may be used</li> <li>Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400</li> <li>Not Present</li> <li>Not Present</li> <li>128</li> <li>96</li> <li>No change</li> <li>0</li> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> </ul>	

## Contents of RADIO BEARER SETUP message: AM or UM (UE supports PS RAB only)

Information Element	Value/remark	Version
Message Type		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	Not Present	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE specification mode	Complete specification	REL-5
Complete specification		REL-5
- Signalling RB information to setup	Not Present	
- RAB information for setup list		
- RAB information for setup		
- RAB info	(AM DTCH for PS domain)	
- RAB identity	0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	PS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	useT315	
- RB information to setup		
- RB identity	20	
- PDCP info		
- Support for lossless SRNS relocation	FALSE	
- Max PDCP SN window size	Not present	
- PDCP PDU header	Absent	
- Header compression information	Not present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- CHOICE SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	128	
- Timer_RST	500	
- Max_RST	4	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_PDU	Not Present	
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Windows	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	128	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	



Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>DCH</p> <p>6</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>7</p> <p>Explicit list</p> <p>Reference to TS34.108 clause 6</p> <p>Parameter Set</p> <p>8</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>7</p>	
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> </ul> <p>information</p> <ul style="list-style-type: none"> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul>	<p>Not Present</p> <p>FDD</p> <p>Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</p> <p>11 (below 64 kbps)</p> <p>9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)</p> <p>0</p> <p>FDD</p> <p>Not Present</p>	

Information Element	Value/remark	Version
Deleted UL TrCH information list	Not Present	
Added or Reconfigured UL TrCH information list	1	
Added or Reconfigured UL TrCH information	1 DCH added, 1 DCH reconfigured	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
- Dynamic Transport format information		
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set	
- Number of TBs and TTI List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE Logical Channel list	All	
- Semi-static Transport Format information		
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set	
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set	
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set	
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set	
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
- Dynamic Transport format information		
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set	
- Number of TBs and TTI List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE Logical Channel list	All	
- Semi-static Transport Format information		
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set	
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set	
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set	
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set	
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode	FDD	
- CPCH set ID	Not Present	
- Added or Reconfigured TrCH information for DRAC list	Not Present	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Explicit	
- DL DCH TFCS		
- CHOICE TFCI Signalling	Normal	
- TFCI Field 1 Information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure		
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> </ul> Added or Reconfigured DL TrCH information list Added or Reconfigured DL TrCH information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present 1 2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 -2.0 DCH 6 Explicit Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0	
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul> CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	Not Present 33dBm Uplink DPCH info FDD -6dB 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present FDD Long 0 (0 to 16777215) 1 64 TRUE Not Present(0) 1 FDD Not Present	REL-5 REL-5 REL-5
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	<ul style="list-style-type: none"> <li>Maintain</li> <li>Not Present</li> <li>FDD</li> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>FDD</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>Downlink information per radio link list</li> <li>- Downlink information for each radio link</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	<ul style="list-style-type: none"> <li>FDD</li> <li>100</li> <li>Not Present</li> <li>Not Present</li> <li>FDD</li> <li>Primary CPICH may be used</li> <li>Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400</li> <li>Not Present</li> <li>Not present</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Depends upon radio bearer used.</li> <li>No change</li> <li>0</li> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> </ul>	

Contents of RADIO BEARER SETUP message: AM or UM (UE supports CS RAB for Test Loop Mode 2)

Information Element	Value/remark	Version
Message Type RRC transaction identifier  Integrity check info - message authentication code  - RRC message sequence number  Integrity protection mode info Ciphering mode info Activation time  New U-RNTI New C-RNTI New DSCH-RNTI New H-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity Signalling RB information to setup	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present Not Present Not Present Not Present CELL_DCH Not Present Not Present Not Present Not Present	REL-5
RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup list - RB information to setup - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode - Segmentation indication - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not Present UseT314  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present  1  DCH 1 Not Present Configured 7  1  DCH 6  Not Present  Not Present	REL-5

Information Element	Value/remark	Version
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- CHOICE mode</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> </ul> Deleted UL TrCH information list	Not Present FDD Not Present  Normal  Complete reconfiguration  2 bit CTFC 4 TFCs 0  Computed Gain Factors 0 FDD Not Present 2  Computed Gain Factors 0 FDD Not Present 1  Computed Gain Factors 0 FDD Not Present 3  Signalled Gain Factors FDD 8 15 0 FDD Not Present Not Present	
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	1  DCH 1  Dedicated transport channels  260 bits 2 Not Present 0 Not Present 1 ALL  20 Convolutional 1/3 256 0	



Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- Number of bits for Pilot bits</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	<p>Not Present</p> <p>FDD 0 (single)</p> <p>FDD 0</p> <p>Not Present</p> <p>128</p> <p>Fixed</p> <p>TRUE</p> <p>128</p> <p>8</p> <p>FDD</p> <p>Not Present</p> <p>None</p> <p>Not Present</p> <p>Not Present</p>	
<p>Downlink information for per radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment</li> </ul> <p>mode</p> <ul style="list-style-type: none"> <li>- SCCPCH information for FACH</li> </ul>	<p>FDD</p> <p>100</p> <p>Not Present</p> <p>Not Present</p> <p>FDD</p> <p>Primary CPICH may be used</p> <p>Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400</p> <p>Not Present</p> <p>Not Present</p> <p>128</p> <p>96</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>	

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

Information Element	Value/remark	Version
<p>Message Type</p> <p>RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> <li>- message authentication code</li> <li>- RRC message sequence number</li> </ul> <p>Integrity protection mode info</p> <p>Ciphering mode info</p> <p>Activation time</p> <p>New U-RNTI</p> <p>New C-RNTI</p> <p>New DSCH-RNTI</p> <p>New H-RNTI</p> <p>RRC State indicator</p>	<p>Arbitrarily selects an integer between 0 and 3</p> <p>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.</p> <p>SS provides the value of this IE, from its internal counter.</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>'1010 1010 1010 1010'</p> <p>CELL_DCH</p>	<p>REL-5</p>



Information Element	Value/remark	Version
UTRAN DRX cycle length coefficient CN information info URA identity Signalling RB information to setup	Not Present Not Present Not Present Not Present	
RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - Support for lossless SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - DL HS-DSCH MAC-d flow identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list	(high-speed AM DTCH for PS domain) 0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present UseT315  23  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  100 100 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 768  100 Not Present TRUE Not Present  2 RBmuxOptions Not Present 1 DCH 1 Not Present Configured 8  1 HS-DSCH Not Present Not Present 0 Not Present Not Present 1 RACH Not Present 7 Explicit list	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	Reference to TS34.108 clause 6 Parameter Set 8  1 FACH Not Present Not Present 7	
RB information to be affected list Downlink counter synchronisation info	Not Present Not Present	
UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> <li>- CHOICE Gain Factors</li>   <li>- Gain factor <math>\beta_c</math></li>   <li>- Gain factor <math>\beta_d</math></li>   <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P p-m</li> </ul> Deleted UL TrCH information list	Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set  Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 0 FDD Not Present Not Present	
Added or Reconfigured UL TrCH information list Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	1 1 DCH added, 1 DCH reconfigured DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Set All  Reference to TS34.108 clause 6.10 Parameter Set Set Reference to TS34.108 clause 6.10 Parameter Set Set Reference to TS34.108 clause 6.10 Parameter Set Set Reference to TS34.108 clause 6.10 Parameter Set Set	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	<p>DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	<p>FDD</p> <p>Not Present</p> <p>Not Present</p>	
<p>DL Transport channel information common for all transport channel</p> <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	<p>Not Present</p> <p>FDD</p> <p>Explicit</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.</p> <p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Not Present</p>	
<p>Deleted DL TrCH information</p>	<p>Not Present</p>	
<p>Added or Reconfigured DL TrCH information list</p> <p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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 <ul style="list-style-type: none"> <li>- HARQ Info <ul style="list-style-type: none"> <li>- Number of Processes</li> </ul> </li> <li>- CHOICE <i>Memory Partitioning</i></li> </ul> </li> <li>- Added or reconfigured MAC-d flow <ul style="list-style-type: none"> <li>- MAC-hs queue to add or reconfigure list <ul style="list-style-type: none"> <li>- MAC-hs queue Id</li> <li>- MAC-d Flow Identity</li> </ul> </li> </ul> </li> </ul>	<p>1</p> <p>2 TrCHs(DCH for DCCH and HS-DSCH for DTCH)</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>-2.0</p> <p>HS-DSCH</p> <p>Not Present</p> <p>HS-DSCH</p> <p>Reference to TS34.121 [2] Annex C Fixed Reference Channels</p> <p>Implicit</p> <p>(one queue)</p> <p>0</p> <p>0</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- T1</li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info                             <ul style="list-style-type: none"> <li>- MAC-d PDU size</li> </ul> </li> <li>- MAC-d PDU size index</li> <li>- MAC-hs queue to delete list</li> <li>- DCH quality target</li> </ul>	50????  Where is inter-TTI distance specified???? 16  Reference to TS34.121 [2] Annex C Fixed Reference Channels 0 Not present Not present	
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul> CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	Not Present 33dBm Uplink DPCH info  FDD -6dB 1 frame 7 frames Algorithm1 1dB 3 3 1 FDD Long 0 (0 to 16777215) Not Present (1) Reference to TS34.108 clause 6.10.2.4 Parameter Set TRUE Not Present(0) 1 FDD Not Present	REL-5 REL-5 REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> </ul> </li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	Maintain Not Present  FDD 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present	
Downlink HS-PDSCH Information <ul style="list-style-type: none"> <li>- HS-SCCH Info                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- DL Scrambling Code</li> <li>- HS-SCCH Channelisation Code Information   <ul style="list-style-type: none"> <li>- HS-SCCH Channelisation Code</li> </ul> </li> </ul> </li> </ul> </li> <li>- Measurement Feedback Info                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- POhdsch</li> <li>- CQI Feedback cycle, k</li> </ul> </li> </ul> </li> </ul>	FDD  1  FDD 6 dB 2 ms	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CQI repetition factor</li> <li>- <math>\Delta_{CQI}</math></li> <li>- CHOICE mode</li> </ul>	1 5 (corresponds to 0dB in relative power offset) FDD (no data)	
Downlink information per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> </li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> </ul> </li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	FDD  100 Not Present Not Present TRUE  FDD Primary CPICH may be used Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  Not present Reference to TS34.108 clause 6.10 Parameter Set Set Depends upon radio bearer used. No change 0 Not Present Not Present Not Present	REL-5

Contents of RADIO BEARER SETUP message: BTFD RMC

Information Element	Value/remark	Version
Message Type		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	The presence of this IE is dependent on IXT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.	
- Ciphering mode command	Start/restart	
- Ciphering algorithm	Use one of the supported ciphering algorithms	
- Ciphering activation time for DPCH	Set by operator	
- Radio bearer downlink ciphering activation time info	Not Present	
Activation time	Set by operator	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE specification mode	Complete specification	REL-5
- Complete specification		REL-5
-- Signalling RB information to setup	Not Present	
- RAB information for setup		
- RAB info		
- RAB identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup		
- RB identity	10	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	
- DL DSCH Transport channel identity	Not Present	

Information Element	Value/remark	Version
- Logical channel identity	Not Present	
RB information to be affected	Not Present	
Downlink counter synchronisation info	Not Present	
	RMC for BTFD	
UL Transport channel information for all transport channels		
- PRACH TFCS	Not Present	
- CHOICE mode	FDD	
- TFC subset	Not Present	
- UL DCH TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information		
- CHOICE CTFC Size	ctfc6Bit	
- ctfc6Bit	22	
- ctfc6	0	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	11	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	1	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	12	
-powerOffsetInformation(OP)		
-gainFactorInformation	SignalledGainFactors	
-modeSpecificInfo	Fdd	
-fdd		
- Gain factor βc	8	
- Gain factor βd	15	
- Reference TFC ID	0	
- ctfc6	2	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	13	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	3	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	14	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	4	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	15	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	5	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	16	

Information Element	Value/remark	Version
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	6	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	17	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	7	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	18	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	8	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	19	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	9	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	20	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	10	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	21	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
Added or Reconfigured UL TrCH information		
-ul-AddReconfTransChInfoList	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info		
RLC size	256	
-numberOfTbSizeList		
-NumberOfTransportBlocks	Zero	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	216	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
RLC size	171	
- Choice Logical Channel List	ALL	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	160	



Information Element	Value/remark	Version
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	146	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	130	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	115	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	107	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	51	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	12	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
- CRC size	0	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Explicit	
- DL DCH TFCS		
- CHOICE TFCS signalling	Normal	
- TFCS Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information		
- CHOICE CTFC Size	Ctfc6Bit	
- ctfc6Bit	20	
- ctfc6	9	
- ctfc6	19	
- ctfc6	10	
- ctfc6	1	
- ctfc6	11	
- ctfc6	2	
- ctfc6	12	
- ctfc6	3	
- ctfc6	13	
- ctfc6	4	
- ctfc6	14	
- ctfc6	5	
- ctfc6	15	
- ctfc6	6	
- ctfc6	16	
- ctfc6	7	
- ctfc6	17	

Information Element	Value/remark	Version
- ctfc6	8	
- ctfc6	18	
Deleted DL TrCH information	Not Present	
Added or Reconfigured DL TrCH information		
-dl-AddReconfTransChInfoList(OP)	1	
- Downlink transport channel type	DCH	
- DL Transport channel identity	6	
- CHOICE DL parameters	Explicit	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info		
RLC size	244	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	204	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
RLC size	159	
- Choice Logical Channel List	ALL	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	148	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	134	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	118	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	103	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	95	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	39	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	0	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
- CRC size	12	
- DCH quality target		
- BLER Quality value	-2.0	
- Transparent mode signalling info	Not Present	
Frequency info	Not Present	
Maximum allowed UL TX power	33 dBm	

Information Element	Value/remark	Version
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- DPCCH power offset	0	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- $\Delta_{ACK}$	Not Present	REL-5
- $\Delta_{NACK}$	Not Present	REL-5
- Ack-Nack repetition factor	Not Present	REL-5
- Scrambling code type	Long	
- Scrambling code number	0	
- Number of DPDCH	1	
- spreading factor	64	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
CHOICE Mode	FDD	
- Downlink PDSCH information	Not Present(0)	
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		
- Downlink DPCH info common for all RL	FDD	
- Timing indicator	Maintain	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- DPC mode	0 (single)	
- CHOICE mode	FDD	
- Power offset $P_{Pilot-DPDCH}$	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	128	
- Number of bits for Pilot bits(SF=128,256)	4	
- Fixed or Flexible Position	Fixed	
- TFCI existence	FALSE	
- DPCH compressed mode info	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Not Present	
Downlink information for each radio link list		
- Primary CPICH info	Not Present	
- Primary scrambling code	100	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	128	
- Code number	96	
- 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	

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
Message Type		
U-RNTI	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-RNTI	0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	REL-5
- U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
- Group identity	[FFS]	
- Group release information	[FFS]	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
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

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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	TRUE	
- UE radio access TDD capability update requirement	FALSE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup list	4 SRBs	
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	

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

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Signalling RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- RLC info   <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard   <ul style="list-style-type: none"> <li>- SDU discard mode   <ul style="list-style-type: none"> <li>- MAX_DAT</li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info   <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU   <ul style="list-style-type: none"> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE Downlink RLC mode   <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info   <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- RB mapping info                             <ul style="list-style-type: none"> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>-UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list                                     <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type   <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> <li>- RLC logical channel mapping indicator                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list   <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type   <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>(AM DCCH for NAS_DT High priority)</p> <p>Not Present</p> <p>AM RLC</p> <p>No Discard</p> <p>15</p> <p>128</p> <p>500</p> <p>1</p> <p>200</p> <p>200</p> <p>Not Present</p> <p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>5</p> <p>3</p> <p>Configured</p> <p>3</p> <p>1</p> <p>DCH</p> <p>10</p> <p>Not Present</p> <p>3</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>3</p> <p>Explicit List</p> <p>Reference to TS34.108 clause 6</p> <p>Parameter Set</p> <p>3</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>3</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Signalling RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- RLC info   <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard   <ul style="list-style-type: none"> <li>- SDU discard mode   <ul style="list-style-type: none"> <li>- MAX_DAT</li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info   <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU   <ul style="list-style-type: none"> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE Downlink RLC mode   <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info   <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- RB mapping info                             <ul style="list-style-type: none"> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list                                     <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> <li>- RLC logical channel mapping indicator                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list   <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> </ul>	(AM DCCH for NAS_DT Low priority) Not Present  AM RLC  No Discard 15 128 500 1  200 200 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 128  200 Not Present TRUE Not Present  2 RBMuxOptions Not Present 1 DCH 5 4 Configured 4  1 DCH 10 Not Present 4 Not Present 1 RACH Not Present 4 Explicit List Reference to TS34.108 clause 6 Parameter Set 4  1 FACH Not Present Not Present 4	



Information Element	Value/remark	Version
UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE Mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfiguration information</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- CHOICE mode</li> <li>- Gain factor βc</li> <li>- Gain factor βd</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> </ul>	Not Present FDD Not Present Normal Complete reconfiguration 2 bit CTFC 2 TFCs 0 computedGainFactors 0 FDD Not Present 1 signalledGainFactors FDD 15 15 0 FDD Not Present	
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	1 DCH 5 Dedicated transport channels 96 bits 2 Not Present 0 Not Present 1 ALL 40 Convolutional 1/3 256 12	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	Not Present FDD Same as UL	
Added or Reconfigured DL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH Identity</li> <li>- DCH quality target</li> </ul>	1 DCH 10 SameAasUL DCH 5	

Information Element	Value/remark	Version
- BLER Quality value	-2.0	
Frequency info	Not Present	
Maximum allowed UL TX power	Not Present	
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- DPCCH power offset	-6dB	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- $\Delta_{ACK}$	Not Present	REL-5
- $\Delta_{NACK}$	Not Present	REL-5
- Ack-Nack repetition factor	Not Present	REL-5
- CHOICE mode	FDD	
- Scrambling code type	Long	
- Scrambling code number	0 (0 to 16777215)	
- Number of DPDCH	Not Present (1)	
- Spreading factor	256	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
Downlink information common for all radio links		
- Downlink DPCH info common for all RL		
- Timing Indication	Initialise	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- CHOICE mode	FDD	
- DPC mode	0 (single)	
- CHOICE mode	FDD	
- Power offset $P_{Pilot-DPCH}$	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	256	
- Fixed or Flexible Position	Fixed	
- TFCI existence	FALSE	
- CHOICE SF		
- Number of bits for Pilot bits	8	
- DPCH compressed mode info	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512	
Downlink information for per radio links list		
-Downlink information for each radio links		
- CHOICE mode	FDD	
- Primary CPICH info		
- Primary scrambling code	100	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- CHOICE mode	FDD	
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value : Default DPCH Offset Value mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	256	
- Code number	192	

<b>Information Element</b>	<b>Value/remark</b>	<b>Version</b>
- Scrambling code change	Not Present	
- TPC combination index	0	
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	
- SCCPCH information for FACH	Not Present	



Condition	Explanation
A1	UE not supporting GSM
A2	UE supporting GSM

## 9.2.2 Default Message Contents for RF (TDD)

### Contents of Activate RB Test Mode message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	44h

### Contents of Close UE Test Loop message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h
UE test loop mode	00h
UE test loop mode 1 LB setup	03h 00h F4h 0Ah

### Contents of Open UE Test Loop message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	42h

### Contents of PAGING TYPE 1 message: TM (CS)

Information Element	Value/remark
Message Type	
Paging record list	
-Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Streaming Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

## Contents of PAGING TYPE 1 message: TM (PS)

Information Element	Value/remark
Message Type Paging record list -Paging record - CHOICE Used paging identity - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Interactive Call PS domain  Set to the same octet string as in the IMSI stored in the USIM card Not Present

Contents of RADIO BEARER SETUP message: AM or UM (3.84 Mcps TDD)

Information Element	Condition	Value/remark	Version
Message Type RRC transaction identifier Integrity check info - message authentication code  - RRC message sequence number  Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI New DSCH-RNTI New H-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity CHOICE specification mode - Complete specification	A1,A3	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present Not Present Not Present Not Present CELL_DCH Not Present Not Present Not Present Complete specification	REL-5
- Signalling RB information to setup		Not Present	REL-6
- RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup list - RB information to setup - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode - Segmentation indication - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity	A1	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not Present UseT314  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 1 Not Present Configured 7  1  DCH 6 Not Present Not Present	
RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity	A3	0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup list</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<p>Not Present UseT314</p> <p>20</p> <p>Not Present RLC info AM RLC</p> <p>No discard 15 128 500 4</p> <p>200 200 1</p> <p>TRUE TRUE 99</p> <p>Not Present AM RLC</p> <p>TRUE 128</p> <p>200 200 TRUE Not Present</p> <p><b>2RBMuxOptions</b> Not Present 1 DCH 1 Not Present Configured 8 1</p> <p>DCH 6 Not Present Not Present Not Present</p> <p>1 RACH Not Present 7 Explicit List Reference to TS34.108 clause 6 Parameter Set <b>8</b></p> <p>1</p> <p>FACH Not Present Not Present Not Present</p>	
<p>RB information to be affected list Downlink counter synchronisation info</p>	<p>A1,A3</p>	<p>Not Present Not Present</p>	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> </ul>	<p>A1,A3</p>	<p>Not Present TDD</p>	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li> <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling                             <ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> </ul> </li> <li>- CHOICE TFCS Size</li> <li>- CTFC information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul> Deleted UL TrCH information list		(This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.) Normal  Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set Not Present TDD Not Present Not Present	
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	A1	1  DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Not Present 1 ALL  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode	A1, A3	TDD (no data)	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	A1,A3	Not Present TDD Independent (Refer to TS34.108 clause 6)	
Deleted DL TrCH information list Added or Reconfigured DL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A1,A3	Not Present 1  DCH 6 Same as UL DCH 1  Reference to TS34.108 clause 6	
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- CHOICE mode</li> <li>- UL Target SIR</li> </ul>	A1,A3	Not Present 30dBm Uplink DPCH info  TDD Reference to TS34.108 Parameter set.	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE UL OL PC info</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>- Individual timeslot interference</li> </ul> </li> <li>- Individual timeslot interference</li> <li>- DPCH Constant Value</li> <li>- CHOICE mode</li> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List                             <ul style="list-style-type: none"> <li>- TFCS Id</li> <li>- Time info</li> </ul> </li> <li>- Activation time                             <ul style="list-style-type: none"> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> </ul> </li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> <li>- Repetition Period</li> <li>- Repetition Length</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> <li>- TFCI existence</li> <li>- Midamble shift and burst type                             <ul style="list-style-type: none"> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>-CHOICE Burst Type   <ul style="list-style-type: none"> <li>-Type 1</li> <li>-Midamble Allocation</li> </ul> </li> </ul> </li> <li>- Midamble configuration burst type 1 and 3</li> </ul> </li> <li>- First timeslot channelisation codes</li> <li>- Channelisation code</li> <li>- CHOICE more timeslots</li> </ul>		Individually signalled 3.84 Mcps  Values are used for open loop power control, section 8 in TS 25.331 TDD Not Present  1  (256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set  The number of an uplink timeslot that has unassigned codes. TRUE  3.84 Mcps  Default  As defined in 3GPP TS 25.221  Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.  The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned. TDD (no data)	
CHOICE Mode			
Downlink HS-PDSCH Information	A1,A3	Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control</li> </ul> information <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE TDD mode</li> <li>- Default DPCH Offset Value</li> </ul>	A1,A3	Maintain Not Present  TDD 0 (single) 3.84 Mcps (no data) Not Present	
Downlink information for per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE SyncCase   <ul style="list-style-type: none"> <li>- Timeslot</li> </ul> </li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> </ul>	A1,A3	TDD  Sync Case 1 PCCPCH timeslot 0	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode</li> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info</li> <li>- Activation time</li> <li>- Duration</li> <li>- Common timeslot info</li> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> <li>- Downlink DPCH timeslots and codes</li> <li>- Individual timeslot info</li> <li>- Timeslot number</li> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> <li>- CHOICE TDD option</li> <li>-CHOICE Burst Type</li> <li>-Type 1</li> <li>-Midamble Allocation</li> <li>- Midamble configuration burst type 1 and 3</li> <li>- First timeslot channelisation codes</li> <li>- First channelisation code</li> <li>- Last channelisation code</li> <li>- Bitmap</li> <li>- CHOICE more timeslots</li> <li>- UL CCTrCH TPC List</li> <li>-SCCPCH information for FACH</li> </ul>		<p>TDD</p> <p>1</p> <p>(256+CFN-(CFN mod 8 + 8))mod 256</p> <p>infinite</p> <p>Reference to TS34.108</p> <p>TRUE</p> <p>Reference to TS34.108 clause 6 Parameter set 1</p> <p>Empty</p> <p>The number of a downlink timeslot that has unassigned codes.</p> <p>TRUE</p> <p>3.84 Mcps</p> <p>Default</p> <p>As defined in 3GPP TS 25.221</p> <p>(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..</p> <p>(j/SF) where j is the highest numbered code that is being assigned in the slot.</p> <p>Bitmap of the codes that are being assigned in the slot.</p> <p>The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..</p> <p>Not Present</p> <p>Not Present</p>	

Condition	Explanation
A1	This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.
A3	This IE is needed for acknowledged mode.
NOTE:	In the case of Performance Requirement and RRM test cases, A1 or A3 is selected according to the combination of UL and DL channels or test requirements.

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

Information Element	Condition	Value/remark	Version
Message Type RRC transaction identifier Integrity check info - message authentication code  - RRC message sequence number  Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI New DSCH-RNTI New H-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity CHOICE specification mode - Complete specification	A1,A3	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present Not Present Not Present Not Present Not Present CELL_DCH Not Present Not Present Not Present Complete specification	REL-5
- Signalling RB information to setup		Not Present	REL-5
- RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup list - RB information to setup - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode - Segmentation indication - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity	A1	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not Present UseT314  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 1 Not Present Configured 7  1 DCH 6 Not Present Not Present	
RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity - NAS Synchronization Indicator	A3	0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Re-establishment timer</li> <li>- RB information to setup list</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li>   <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<p>UseT314</p> <p>20</p> <p>Not Present</p> <p>RLC info</p> <p>AM RLC</p> <p>No discard</p> <p>15</p> <p>128</p> <p>500</p> <p>4</p> <p>200</p> <p>200</p> <p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>200</p> <p>TRUE</p> <p>Not Present</p> <p><b>2RBMuxOptions</b></p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>DCH</p> <p>6</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>7</p> <p>Explicit List</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p><b>8</b></p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>	
<p>RB information to be affected list</p> <p>Downlink counter synchronisation info</p>	<p>A1,A3</p>	<p>Not Present</p> <p>Not Present</p>	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> </ul>	<p>A1,A3</p>	<p>Not Present</p> <p>TDD</p> <p>(This IE is repeated for TFC number.)</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Allowed Transport Format combination</li> <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling                             <ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li> </ul> </li> <li>- CTFC information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul> Deleted UL TrCH information list		0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.) Normal  Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set Not Present TDD Not Present Not Present	
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	A1	1  DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6 Parameter Set Not Present 1 ALL  Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set	
CHOICE mode	A1, A3	TDD (no data)	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	A1,A3	Not Present TDD Independent (Refer to TS34.108 clause 6)	
Deleted DL TrCH information list Added or Reconfigured DL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A1,A3	Not Present 1  DCH 6 Same as UL DCH 1  Reference to TS34.108 clause 6	
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- UL Target SIR</li> <li>- CHOICE UL OL PC info                                     <ul style="list-style-type: none"> <li>- CHOICE TDD option   <ul style="list-style-type: none"> <li>- TPC step size</li> <li>- Primary CCPCH Tx Power</li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE mode</li> </ul>	A1,A3	Not Present 30dBm Uplink DPCH info  TDD Reference to TS34.108 Parameter set. Individually signalled 1.28 Mcps 1 dB Not Present TDD	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List</li> <li>- TFCS Id</li> <li>- Time info</li> <li>- Activation time                             <ul style="list-style-type: none"> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2nd interleaving mode</li> </ul> </li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> <li>- Repetition Period</li> <li>- Repetition Length</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> <li>- TFCI existence</li> <li>- Midamble shift and burst type                             <ul style="list-style-type: none"> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>- Midamble allocation mode</li> <li>- Midamble configuration</li> </ul> </li> <li>- CHOICE TDD option                                     <ul style="list-style-type: none"> <li>- Modulation</li> <li>- SS-TPC Symbols</li> </ul> </li> </ul> </li> <li>- CHOICE Mode</li> <li>- First timeslot channelisation codes</li> <li>- Channelisation code</li> <li>- CHOICE more timeslots</li> </ul>		<p>Not Present</p> <p>1</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>The number of an uplink timeslot that has unassigned codes. TRUE</p> <p>1.28 Mcps Default 16 1.28 Mcps TDD QPSK 1 TDD</p> <p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. (i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.</p> <p>The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned. TDD (no data)</p>	
CHOICE Mode		TDD (no data)	
Downlink HS-PDSCH Information	A1,A3	Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- TPC step size</li> <li>- CHOICE TDD mode</li> <li>- TSTD indicator</li> </ul>	A1,A3	<p>Maintain Not Present</p> <p>TDD 1 dB 1.28 Mcps TRUE</p>	
- Default DPCH Offset Value		Not Present	
Downlink information for per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE TDD option   <ul style="list-style-type: none"> <li>- TSTD indicator</li> </ul> </li> <li>- Cell parameters ID</li> <li>- Block STTD indicator</li> </ul> </li> <li>- Downlink DPCH info for each RL                                     <ul style="list-style-type: none"> <li>- CHOICE mode   <ul style="list-style-type: none"> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info</li> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info</li> </ul> </li> </ul> </li> </ul>	A1,A3	<p>TDD</p> <p>1.28 Mcps TRUE 0 FALSE</p> <p>TDD</p> <p>1</p> <p>(256+CFN-(CFN mod 8 + 8))mod 256 Infinite</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing limit</li>   <li>- Repetition period</li> <li>- Repetition length</li> <li>- Downlink DPCH timeslots and codes                             <ul style="list-style-type: none"> <li>- Individual timeslot info                                     <ul style="list-style-type: none"> <li>- Timeslot number</li> </ul> </li> </ul> </li>   <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> <li>- CHOICE TDD option                             <ul style="list-style-type: none"> <li>-Midamble Allocation Mode</li> <li>- Midamble configuration</li> <li>- Modulation</li> <li>- SS-TPC Symbols</li> </ul> </li> <li>- First timeslot channelisation codes</li> <li>- First channelisation code</li>   <li>- Last channelisation code</li>   <li>- Bitmap</li>   <li>- CHOICE more timeslots</li>   <li>- UL CCTrCH TPC List</li> <li>-SCCPCH information for FACH</li> </ul>		Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1 Empty  The number of a downlink timeslot that has unassigned codes. TRUE  1.28 Mcps Default 16 QPSK 1  (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set.. (j/SF) where j is the highest numbered code that is being assigned in the slot. Bitmap of the codes that are being assigned in the slot. The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot.. Not Present Not Present	

Condition	Explanation
A1	This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.
A3	This IE is needed for acknowledged mode.
NOTE:	In the case of Performance Requirement and RRM test cases, A1 or A3 is selected according to the combination of UL and DL channels or test requirements.



Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
Message Type U-RNTI	This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent.	R99, REL-4
<ul style="list-style-type: none"> <li>- SRNC identity</li> <li>- S-RNTI</li> </ul>	0000 0000 0001B 0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	REL-5
<ul style="list-style-type: none"> <li>- U-RNTI</li> <li>- SRNC identity</li> <li>- S-RNTI</li> <li>- Group identity</li> <li>- Group release information</li> </ul>	0000 0000 0001B 0000 0000 0000 0000 0001B [FFS] [FFS]	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info	This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.	
<ul style="list-style-type: none"> <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 style="list-style-type: none"> <li>- RRC Message sequence number</li> </ul>	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 (3.84 Mcps TDD)

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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	FALSE	
- UE radio access TDD capability update requirement	TRUE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup list	4 SRBs	
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	

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

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

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

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	Not Present 4	
UL Transport channel information for all transport channels		
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE Mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> <li>- UL TFCS ID</li> <li>- UL TFCS</li> <li>- TFC subset</li> </ul> </li> </ul>	Not Present TDD  (This IE is repeated for TFC number.)	
<ul style="list-style-type: none"> <li>- Allowed Transport Format combination</li> </ul>	Default value is the complete existing set of transport format combinations 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) Normal	
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling                             <ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li> </ul> </li> </ul>	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set Not Present	
<ul style="list-style-type: none"> <li>- CTFC information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul>	TDD Not Present	
Deleted TrCH information list	Not Present	
Added or Reconfigured UL TrCH information list	Not Present	
<ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> </ul>	1	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	5	
<ul style="list-style-type: none"> <li>- TFS</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> </ul>	Dedicated transport channels	
<ul style="list-style-type: none"> <li>- Dynamic Transport Format Information</li> </ul>		
<ul style="list-style-type: none"> <li>- RLC size</li> </ul>	According to TS34.108 clause 6	
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</li> </ul>	(This IE is repeated for TFI number)	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>	According to TS34.108 clause 6	
<ul style="list-style-type: none"> <li>- CHOICE Logical channel list</li> </ul>	All	
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> </ul>		
DL Transport channel information common for all transport channel		
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> </ul>	Not Present	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Same as UL	
Added or Reconfigured DL TrCH information list	1	
<ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>	10	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>	Same as UL	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	5	
<ul style="list-style-type: none"> <li>- UL TrCH Identity</li> </ul>		
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>	Reference to TS 34.108	
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>	Not Present	
Frequency info	Not Present	
Maximum allowed UL TX power	Not Present	
CHOICE channel requirement	Uplink DPCH info	
<ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	3.84 Mcps	
<ul style="list-style-type: none"> <li>- CHOICE <i>TDD option</i></li> </ul>	Reference to TS34.108 Parameter set	
<ul style="list-style-type: none"> <li>- UL target SIR</li> </ul>		

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- CHOICE <i>UL OL PC info</i></li> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- Individual timeslot interference info</li> <li>- Individual timeslot interference                             <ul style="list-style-type: none"> <li>- DPCH Constant Value</li> <li>- Primary CCPCH Tx Power</li> </ul> </li> <li>- Time info</li> </ul> </li> <li>- Activation time                             <ul style="list-style-type: none"> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> </ul> </li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> <li>- Repetition Period</li> <li>- Repetition Length</li> <li>- Uplink DPCH timeslots and codes</li> <li>- CPCH SET Info</li> </ul>	<p>TDD</p> <p>Individually signalled</p> <p>3.84 Mcps</p> <p>Not Present</p> <p>Not Present</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>Infinite</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Default is to use the old timeslots and codes (no data)</p>	
<p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing Indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information                             <ul style="list-style-type: none"> <li>- DPC mode</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul>	<p>Initialise</p> <p>Not Present</p> <p>0 (single)</p> <p>TDD</p> <p>3.84 Mcps (no data)</p> <p>Arbitrary set to value 0..306688 by step of 512</p>	
<p>Downlink information for per radio links list</p> <ul style="list-style-type: none"> <li>-Downlink information for each radio links                             <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE <i>SyncCase</i> <ul style="list-style-type: none"> <li>- Timeslot</li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> </ul> </li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info   <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info   <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> </ul> </li> <li>- TFCI coding</li> <li>- Puncturing limit</li> <li>- Repetition period</li> <li>- Repetition length</li> </ul> </li> <li>- Downlink DPCH timeslots and codes</li> </ul> </li> </ul>	<p>TDD</p> <p>Sync Case 1</p> <p>PCCPCH timeslot</p> <p>0</p> <p>TDD</p> <p>1</p> <p>(256+CFN-(CFN mod 8 + 8))mod 256</p> <p>infinite</p> <p>Reference to TS34.108</p> <p>TRUE</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>Empty</p>	
<ul style="list-style-type: none"> <li>- CHOICE <i>more timeslots</i></li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> </ul>	<p>3.84 Mcps</p>	

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



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

Information Element	Value/remark	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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	FALSE	
- UE radio access TDD capability update requirement	TRUE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup list	4 SRBs	
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	

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

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

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

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	Not Present 4	
UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE Mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> <li>- UL TFCS ID</li> <li>- UL TFCS</li> <li>- TFC subset</li> </ul> </li> </ul>	Not Present TDD  (This IE is repeated for TFC number.)  Default value is the complete existing set of transport format combinations 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)	
combination <ul style="list-style-type: none"> <li>- Allowed Transport Format</li> <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling                             <ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li> </ul> </li> </ul>	Normal  Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set	
<ul style="list-style-type: none"> <li>- CTFC information</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul>	Not Present TDD Not Present	
Deleted TrCH information list	Not Present	
Added or Reconfigured UL TrCH information list	1	
<ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> </ul>		
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	5	
<ul style="list-style-type: none"> <li>- TFS</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> </ul>	Dedicated transport channels	
<ul style="list-style-type: none"> <li>- Dynamic Transport Format Information</li> </ul>		
<ul style="list-style-type: none"> <li>- RLC size</li> </ul>	According to TS34.108 clause 6	
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</li> </ul>	(This IE is repeated for TFI number)	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>	According to TS34.108 clause 6	
<ul style="list-style-type: none"> <li>- CHOICE Logical channel list</li> </ul>	All	
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> </ul>		
DL Transport channel information common for all transport channel		
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> </ul>	Not Present	
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Same as UL	
Added or Reconfigured DL TrCH information list	1	
<ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> </ul>		
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>	10	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Same as UL	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	DCH	
<ul style="list-style-type: none"> <li>- UL TrCH Identity</li> </ul>	5	
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>		
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>	Reference to TS 34.108	
Frequency info	Not Present	
Maximum allowed UL TX power	Not Present	
CHOICE channel requirement	Uplink DPCH info	
<ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> </ul>		
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	TDD	
<ul style="list-style-type: none"> <li>- CHOICE <i>TDD option</i></li> </ul>	1.28 Mcps	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- PRXPDPCHdes</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- CHOICE <i>UL OL PC info</i></li> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- TPC step size</li> <li>- Primary CCPCH Tx Power</li> </ul> </li> </ul> </li> <li>- Primary CCPCH Tx Power</li> <li>- Time info</li> <li>- Activation time                             <ul style="list-style-type: none"> <li>- Duration</li> </ul> </li> <li>- Common timeslot info                             <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> </ul> </li> <li>- TFCI coding</li> <li>- Puncturing Limit</li> <li>- Repetition Period</li> <li>- Repetition Length</li> <li>- Uplink DPCH timeslots and codes</li> <li>- CPCH SET Info</li> </ul>	<p>Reference to TS34.108 Parameter set TDD Individually signalled 1.28 Mcps Not Present Not Present  Not Present  (256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite  Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Reference to TS34.108 clause 6 Parameter Set Default is to use the old timeslots and codes (no data)</p>	
<p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing Indication</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control</li> </ul>	<p>Initialise Not Present</p>	
<p>information</p> <ul style="list-style-type: none"> <li>- DPC mode</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- CHOICE TDD option</li> <li>- TSTD indicator</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul>	<p>0 (single) TDD 1.28 Mcps TRUE Arbitrary set to value 0..306688 by step of 512</p>	
<p>Downlink information for per radio links list</p> <ul style="list-style-type: none"> <li>-Downlink information for each radio links                             <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Primary CCPCH info                                     <ul style="list-style-type: none"> <li>- CHOICE <i>SyncCase</i> <ul style="list-style-type: none"> <li>- Timeslot</li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> </ul> </li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- DL CCTrCH List</li> <li>- TFCS ID</li> <li>- Time info   <ul style="list-style-type: none"> <li>- Activation time</li> <li>- Duration</li> </ul> </li> <li>- Common timeslot info   <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> interleaving mode</li> <li>- TFCI coding</li> <li>- Puncturing limit</li> </ul> </li> <li>- Repetition period</li> <li>- Repetition length</li> </ul> </li> </ul> </li> <li>- Downlink DPCH timeslots and</li> </ul>	<p>TDD  Sync Case 1 PCCPCH timeslot 0  TDD 1  (256+CFN-(CFN mod 8 + 8))mod 256 infinite  Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1 Empty</p>	

Information Element	Value/remark	Version
codes		
- CHOICE <i>more timeslots</i>		
- CHOICE TDD option	1.28 Mcps	
- Timeslot number	The number of a downlink timeslot that has unassigned codes in a subframe.	
- Individual timeslot info		
- TFCI existence	TRUE	
- Midamble shift and burst		
type		
- CHOICE TDD option	1.28 Mcps	
-CHOICE Burst Type		
-Midamble Allocation	Default	
Mode		
- Midamble configuration	As defined in 3GPP TS 25.221	
- First timeslot channelisation		
codes		
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..	
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.	
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..	
- UL CCTrCH TPC List	Not Present	
-SCCPCH information for FACH	Not Present	

Contents of SECURITY MODE COMMAND message: AM

Information Element	Condition	Value/remark
<p>Message Type</p> <p>RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> <li>- Message authentication code</li> <li>- RRC Message Sequence Number</li> </ul> <p>Security capability</p> <ul style="list-style-type: none"> <li>- Ciphering algorithm capability</li> <li>- UEA0</li> <li>- UEA1</li> <li>- Spare</li> <li>- Integrity protection algorithm capability</li> <li>- UIA1</li> <li>- Spare</li> </ul> <p>Ciphering mode info</p> <ul style="list-style-type: none"> <li>- Ciphering mode command</li> <li>- Ciphering algorithm</li> <li>- Ciphering activation time for DPCH</li> <li>- Radio bearer downlink ciphering activation time info</li> <li>- Radio bearer activation time</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> <li>- RB identity</li> <li>- RLC sequence number</li> </ul> <p>Integrity protection mode info</p> <ul style="list-style-type: none"> <li>- Integrity protection mode command</li> <li>- Downlink integrity protection activation info</li> <li>- Integrity protection algorithm</li> <li>- Integrity protection initialisation number</li> </ul> <p>CN domain identity</p> <p>UE system specific security capability</p>	<p>A1, A2</p> <p>A1</p> <p>A2</p>	<p>Arbitrarily selects an integer between 0 and 3</p> <p>Set to an arbitrarily selected 32-bits integer. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I. Set to an arbitrarily selected integer between 0 and 15</p> <p>If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.</p> <p>If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.</p> <p>Spare 2-15 = FALSE 0000000000000010B (UIA1) TRUE</p> <p>Spare 0 and Spare 2-15 = FALSE</p> <p>This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.</p> <p>Start/restart UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Use the same ciphering algorithm specified in "ciphering</p> <p>Not Present</p> <p>1 Current RLC SN+2</p> <p>2 Current RLC SN+2</p> <p>3 Current RLC SN + 2</p> <p>4 Current RLC SN + 2</p> <p>Start Not Present UIA1 SS selects an arbitrary 32 bits number for FRESH CS or PS Not Checked</p>
<p>UE system specific security capability</p> <ul style="list-style-type: none"> <li>- Inter-RAT UE security capability</li> <li>- CHOICE <i>system</i></li> <li>- GSM security capability</li> </ul>	<p>A2</p>	<p>GSM</p> <p>The indicated algorithms must be the same as the algorithms supported by the UE as indicated in the IE " UE system specific capability " in the RRC CONNECTION SETUP COMPLETE message.</p>



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

CR-Form-v7
<b>CHANGE REQUEST</b>
⌘ <b>TS34.108 CR 349</b> ⌘ rev <b>-</b> ⌘ Current version: <b>5.1.0</b> ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Corrections to HCR TDD RAB combinations		
<b>Source:</b>	⌘ InterDigital Communications Corp.		
<b>Work item code:</b>	⌘ TDD	<b>Date:</b>	⌘ 15/07/2004
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ 1. During writing tests it was noticed that some parameters were left out of these RABs.
<b>Summary of change:</b>	⌘ 1) 6.10.3.4.2.1.1.1.1 Transport channel parameters for Interactive or background / UL: 64 kbps / PS RAB and UL SRB for SHCCH mapped on USCH add the "ALT" that was inadvertently left out. 2) 6.10.3.4.4.1.3 TFCS add 2 TFCs that where inadvertently left out.
<b>Consequences if not approved:</b>	⌘ If changes are not approved, UE HCR TDD tests will not function correctly.

<b>Clauses affected:</b>	⌘ 6.10.3.4.2.1.1.1.1 & 6.10.3.4.4.1.3										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications Test specifications O&M Specifications	⌘
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<b>Other comments:</b>	⌘										

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

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

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

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

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

6.10.3.4.2.1.1.1.1 Transport channel parameters for Interactive or background / UL: 64 kbps / PS RAB and UL SRB for SHCCH mapped on USCH

Higher Layer	RAB/Signalling RB	RAB	SRB#5	
RLC	Logical channel type	DTCH	SHCCH	
	RLC mode	AM	TM	
	Payload sizes, bit	320 (alt. 128)	168	
	Max data rate, bps	64000	16800	
	AMD/TrD PDU header, bit	16	0	
MAC	MAC header, bit	1	1	
	MAC multiplexing	N/A	N/A	
Layer 1	TrCH type	USCH	USCH	
	TB sizes, bit	337 (alt. 145)	169	
	TFS	TF0, bits	0x337 (alt. 0x145)	0x169
		TF1, bits	1x337 (alt. 1x145)	1x169
		TF2, bits	2x337 (alt. 3x145)	N/A
		TF3, bits	3x337 (alt. 7x145)	N/A
		TF4, bits	4x337 (alt. 10x145)	N/A
	TTI, ms	20	10	
	Coding type	TC	CC 1/2	
	CRC, bit	16	16	
	Max number of bits/TTI after channel coding	4248 (alt. 4842)	386	
	Max number of bits/radio frame before rate matching	2124 (alt. 2421)	386	
RM attribute	135-175	230-250		

6.10.3.4.4.1.3 TFCS

TFCS size	4
TFCS	(RB for CTCH, SRBs for CCCH/BCCH) = (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF1, TF0), (TF1, TF1), (TF2, TF0)

CR-Form-v7	
<b>CHANGE REQUEST</b>	
№ <b>34.108 CR 350</b> № rev <b>-</b> №	Current version: <b>5.1.0</b> №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

**Proposed change affects:** UICC apps №  ME  Radio Access Network  Core Network

<b>Title:</b>	№ Adding missing sub-clause 6.10.2.4.1.62.1		
<b>Source:</b>	№ Ericsson		
<b>Work item code:</b>	№ TEI	<b>Date:</b>	№ 2004-07-23
<b>Category:</b>	№ <b>F</b>	<b>Release:</b>	№ Release 5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Rel-4	(Release 4)
		Rel-5	(Release 5)
		Rel-6	(Release 6)

<b>Reason for change:</b>	№ Sub-clause 6.10.2.4.1.62.1 is missing.		
<b>Summary of change:</b>	№ Adding sub-clause 6.10.2.4.1.62.1. Editorial correction to title of sub-clause 6.10.2.4.1.60.		
<b>Consequences if not approved:</b>	№ Missing and incorrect titles remains.		

<b>Clauses affected:</b>	№ 6.10.2.4.1.60 and 6.10.2.4.1.62.1.										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> </table>	Y	N		X		X		X	Other core specifications	№
Y	N										
	X										
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	№ Affects R99, Rel4 and Rel5 UEs.										

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

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

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

6.10.2.4.1.60.1 Uplink

6.10.2.4.1.60.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB	
PDCP	PDCP header size, bit	8	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	920, 304, 96	
	Max data rate, bps	46000	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	928, 312, 104	
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2844	
	Uplink: Max number of bits/radio frame before rate matching	1422	
RM attribute	180-220		

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

See clause 6.10.2.4.1.23b.1.1.1

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.60.1.1.4 TFCS

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

6.10.2.4.1.60.1.2 Physical channel parameters

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

6.10.2.4.1.60.2 Downlink

6.10.2.4.1.60.2.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB	
PDCP	PDCP header size, bit	8	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	920, 304, 96	
	Max data rate, bps	46000	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	928, 312, 104	
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2844	
	RM attribute	180-220	

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

See clause 6.10.2.4.1.23b.2.1.1

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.60.2.1.4 TFCS

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



6.10.2.4.1.60.2.2 Physical channel parameters

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

6.10.2.4.1.61 Conversational / unknown / UL:8 DL:8 kbps / PS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.61.1 Uplink

6.10.2.4.1.61.1.1 Transport channel parameters

6.10.2.4.1.61.1.1.1 Transport channel parameters for Conversational / unknown / UL:8 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	328 (alt 0, 328) (note)	
	TFS	TF0, bits	0x328 (alt 1x0) (note)
		TF1, bits	1x328
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1044	
	Uplink: Max number of bits/radio frame before rate matching	261	
RM attribute	135-175		
NOTE: In case of using this alternative, CRC parity bits are to be attached any time since number of TrBIs are 1 even if there is no data on the RAB (see clause 4.2.1.1 in TS 25.212).			

6.10.2.4.1.61.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB

See section 6.10.2.4.1.38b.1.1.2

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

See section 6.10.2.4.1.2.1.1.1

6.10.2.4.1.61.1.1.4 TFCS

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

6.10.2.4.1.61.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	1.0

6.10.2.4.1.61.2 Downlink

6.10.2.4.1.61.2.1 Transport channel parameters

6.10.2.4.1.61.2.1.1 Transport channel parameters for Conversational / unknown / DL:8 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	328 (alt 0, 328) (note)	
	TFS	TF0, bits	0x328 (alt 1x0) (note)
		TF1, bits	1x328
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1044	
	RM attribute	135-175	
NOTE: In case of using this alternative, CRC parity bits are to be attached any time since number of TrBlks are 1 even if there is no data on the RAB (see clause 4.2.1.1 in TS 25.212).			

6.10.2.4.1.61.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB

See section 6.10.2.4.1.38b.2.1.2.

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

See section 6.10.2.4.1.2.2.1.1

6.10.2.4.1.61.2.1.4 TFCS

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

6.10.2.4.1.61.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		64
	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	60
Number of data bits/frame		900	

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

[6.10.2.4.1.62.1 Uplink](#)

6.10.2.4.1.62.1.1 Transport channel parameters

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

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTCH		
	RLC mode	TM	TM	
	Payload sizes, bit	40, 54, 64, 72 (alt. 0, 40, 54, 64, 72)	78, 113, 181	
	Max data rate, bps	12650		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	40, 54, 64, 72 (alt. 0, 40, 54, 64, 72)	78, 113, 181	
	TFS	TF0, bits	0x72(alt. 1x0) (note)	0x181
		TF1, bits	1x40	1x78
		TF2 bits	1x54	1x113
		TF3, bits	1x64	1x181
		TF4, bits	1x72	N/A
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	276	567	
	Uplink: Max number of bits/radio frame before rate matching	138	284	
RM attribute	180-220	170-210		
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).				

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.62.1.1.3 TFCS

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

6.10.2.4.1.62.1.1.4 TFC subset list

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

6.10.2.4.1.62.1.2 Physical channel parameters

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

6.10.2.4.1.62.2 Downlink

6.10.2.4.1.62.2.1 Transport channel parameters

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

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTCH		
	RLC mode	TM	TM	
	Payload sizes, bit	0, 40, 54, 64, 72	78, 113, 181	
	Max data rate, bps	12 650		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0, 40, 54, 64, 72	78, 113, 181	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x181
		TF1, bits	1x40	1x78
		TF2, bits	1x54	1x113
		TF3, bits	1x64	1x181
		TF4, bits	1x72	N/A
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
Max number of bits/TTI after channel coding	276	567		
RM attribute	180-220	170-210		
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).				
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212.).				

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

See clause 6.10.2.4.1.2.2.1.1

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

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

6.10.2.4.1.62.2.1.4 TFCS

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

6.10.2.4.1.62.2.2 Physical channel parameters

DPCH Downlink	DTX position		Fixed
	Spreading factor		128
	DPCCH	Number of TFCl 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

## CHANGE REQUEST

# 34.108 CR 351 # rev - # Current version: 5.1.0 #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	# Modification of AICH power offset in SysInfo 5 and 6.		
<b>Source:</b>	# Racal Instruments Wireless Solutions, an Aeroflex Company and MCC 160		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 26/07/2004
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# The AICH power offset used in RF test cases are 0 dB and -12 dB. The original intention to set AICH power to +5dB (max level) was to reduce possible AICH errors. The current TTCN verification for 250 test cases have used the value -5dB and these have been verified and validated. The AICH power offset in System Information Block Type 5 and 6 should be set to -5dB instead of 5dB in order to align with the TTCN.
<b>Summary of change:</b>	# The AICH power offset is changed to -5dB in System Information Block Type 5 and 6
<b>Consequences if not approved:</b>	# Discrepancy with the current TTCN implementation.

<b>Clauses affected:</b>	# 6.1.0b, 6.1.1, 6.1.2, 6.1.3										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">#</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	#	X	X	#	#	X	Other core specifications	#
Y	N										
#	X										
X	#										
#	X										
		Test specifications	34.123-1								
		O&M Specifications									
<b>Other comments:</b>	# 34.123-1 needs to be aligned with this change. Refer to CR T1-041254. No impact on TTCN.										

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

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

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

## 6.1.0b Default System Information Block Messages

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

<ul style="list-style-type: none"> <li>- CN common GSM-MAP NAS system information</li> <li>- GSM-MAP NAS system information</li> <li>- CN domain system information</li> <li>- CN domain identity</li> <li>- CHOICE CN Type</li> <li>- CN domain specific NAS system information</li> <li>- GSM-MAP NAS system information</li> <li>- CN domain specific DRX cycle length coefficient</li> <li>- CN domain identity</li> <li>- CHOICE CN Type</li> <li>- CN domain specific NAS system information</li> <li>- GSM-MAP NAS system information</li> <li>- CN domain specific DRX cycle length coefficient</li> </ul>	A1	00 01H  PS GSM-MAP  05 00H 7 CS GSM-MAP  1E 01H 7
<ul style="list-style-type: none"> <li>- CN common GSM-MAP NAS system information</li> <li>- GSM-MAP NAS system information</li> <li>- CN domain system information</li> <li>- CN domain identity</li> <li>- CHOICE CN Type</li> <li>- CN domain specific NAS system information</li> <li>- GSM-MAP NAS system information</li> <li>- CN domain specific DRX cycle length coefficient</li> <li>- CN domain identity</li> <li>- CHOICE CN Type</li> <li>- CN domain specific NAS system information</li> <li>- GSM-MAP NAS system information</li> <li>- CN domain specific DRX cycle length coefficient</li> </ul>	A2	00 80H, Note 1  PS GSM-MAP  00 00H, Note 1 7 CS GSM-MAP  1E 01H 7
<ul style="list-style-type: none"> <li>- UE Timers and constants in idle mode</li> <li>-T300</li> <li>-N300</li> <li>-T312</li> <li>- N312</li> <li>- UE Timers and constants in connected mode</li> <li>- T301</li> <li>- N301</li> <li>- T302</li> <li>- N302</li> <li>- T304</li> <li>- N304</li> <li>- T305</li> <li>- T307</li> <li>- T308</li> <li>- T309</li> <li>- T310</li> <li>- N310</li> <li>- T311</li> <li>- T312</li> <li>- N312</li> <li>- T313</li> <li>- N313</li> <li>- T314</li> <li>- T315</li> <li>- N315</li> <li>- T316</li> <li>- T317</li> </ul>	A1, A2	4000 milliseconds 3 10 seconds 1  Not Present (2000 milliseconds: default value) Not Present (2: default value) Not Present (4000 milliseconds: default value) Not Present (3: default value) Not Present (2000 milliseconds: default value) Not Present (2: default value) Not Present (30 minutes: default value) Not Present (30 seconds: default value) Not Present (160 milliseconds: default value) Not Present (5 seconds: default value) Not Present (160 milliseconds: default value) Not Present (4: default value) Not Present (2000 milliseconds: default value) Not Present (1 seconds: default value) Not Present (1: default value) Not Present (3 seconds: default value) Not Present (20: default value) Not Present (12 seconds: default value) Not Present (180 seconds: default value) Not Present (1: default value) Not Present (30 seconds: default value) Not Present (180 seconds: default value)
Note1 For Inter-RAT test cases GERAN and UTRAN cells use different LAC and RAC		

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



## Contents of System Information Block type 2

- URA identity list	<i>Only 1 URA identity broadcasted</i>
- URA identity	0000 0000 0000 0001B

## Contents of System Information Block type 3 (FDD)

- SIB4 indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell selection and reselection quality measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not Present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

Contents of System Information Block type 3 (3.84 Mcps TDD and 1.28 Mcps TDD)

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection and reselection quality measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,ShearchRAT	Not Present
- Qrxlevmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

Contents of System Information Block type 4 in connected mode (FDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell selection and reselection quality measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- S <sub>limit,SearchRAT</sub>	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present

Contents of System Information Block type 4 in connected mode (similar to SIB type3)  
(3.84 Mcps TDD and 1.28 Mcps TDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell selection and reselection quality measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- S <sub>limit,SearchRAT</sub>	Not Present
- Qrxlevmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present

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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- 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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE (default value)
- Fixed or Flexible position	Flexible (default value)
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0
	(This IE is repeated for TFC number for PCH and FACH.)
- TFCS	Normal
- CHOICE TFCI signalling	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	Not Present
- CTFC information	4
- Power offset information	Not Present
- CTFC information	5
- Power offset information	Not Present
- CTFC information	6
- Power offset information	Not Present
- CTFC information	8
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- 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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE mode	FDD
- Channelisation code	2

- Number of PI per frame	18
- STTD indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Alpha	(1/8)
- PRACH Constant Value	-10
- DPCH Constant Value	-10
- PUSCH Constant Value	-10
- UE positioning related parameters	Not Present /REL-4/
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Timeslot number	14
- PRACH Channelisation Code List	
- CHOICE SF	SF8
- Channelisation Code List	
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
- PRACH Midamble	Direct
- PNBSCH allocation	Not Present /REL-4/
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)

- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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	
- 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)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Frame
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present (empty)
- Individual timeslot info	
- CHOICE TDD option	3.84 Mcps TDD
- Timeslot number	1
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- CHOICE TDD option	3.84 Mcps TDD



- CHOICE Burst Type	Type 1
- Midamble Allocation Mode	Default midamble
- Midamble configuration burst type 1 and 3	4
- Midamble Shift	Not Present
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- no data	
- Code List	
- Channelisation Code	(This IE is repeated for Code number for PCH and FACH)
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
-CHOICE <i>TFCI signalling</i>	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete information	
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- CTFC information	Reference clause 6.10 Parameter Set
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set

- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N <sub>GAP</sub>	4
- N <sub>PCH</sub>	2
- CBS DRX Level 1 information	Not Present

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

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- no data	
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- TSTD indicator	FALSE
- Cell parameters ID	Not Present
- Block SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- SYNC_UL info	
- SYNC_UL codes bitmap	"11111111"
- UL Target SIR	10 dB
- Power Ramping Step	3 dB
- Max SYNC_UL Transmissions	8
- Mmax	32
- PRACH definition	
- Timeslot number	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Timeslot number	1
- PRACH Channelisation Code List	
- Channelisation Code List	
- Channelisation Code	(8/1)
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not present
- FPACH info	
- Timeslot number	6
- Channelisation code	(16/16)
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Midamble Allocation Mode	Common Midamble
- Midamble configuration	8
- Midamble Shift	Not present
- WT	4
- PNBSCH allocation	Not Present /REL-4/
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS	Not present
- PRACH partitioning	

- Access Service Class	(ASC#0)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#1)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#2)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#3)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#4)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#5)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#6)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	
- Access Service Class	0.9 (for ASC#2)
- Persistence scaling factor	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	
- 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)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Frame
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	1

- Repetition length	0
- Individual timeslot info	
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Timeslot number	0
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble Allocation Mode	Default midamble
- Midamble configuration	4
- Midamble Shift	Not Present
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Modulation	Reference clause 6.10 Parameter Set
- SS-TPC Symbols	Reference clause 6.10 Parameter Set
- Code List	
- Channelisation Code	Reference clause 6.10 Parameter Set
- TFCS	Reference clause 6.10 Parameter Set
- CHOICE TFCI <i>signalling</i>	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS addition information	
- CHOICE CTFC Size	
- CTFC information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Power offset information	Reference clause 6.10 Parameter Set
- FACH/PCH information	Not Present
- Transport Channel Identity	
- TFS	12 (for PCH)
- CHOICE Transport channel type	(PCH)
- Dynamic Transport format information	Common transport channels
- RLC Size	(This IE is repeated for TFI number.)
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	Reference clause 6.10 Parameter Set
- Transmission Time Interval	TDD
- CHOICE Logical Channel List	Not Present
- Semi-static Transport Format information	ALL
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present
- Channelisation code list	
- Channelisation code	(16/1)

- Channelisation code	(16/2)
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N <sub>GAP</sub>	4
- N <sub>PCH</sub>	2
- CBS DRX Level 1 information	Not Present

#### 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 info	Not Present
- CBS DRX Level 1 information	Not Present

#### Contents of System Information Block type 6 in connected mode (similar to SIB type 5) (3.84 Mcps TDD)

- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Alpha	(1/8)
- PRACH Constant Value	-10
- DPCH Constant Value	-10
- PUSCH Constant Value	-10
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Timeslot number	14
- PRACH Channelisation Code List	
- CHOICE SF	SF8
- Channelisation Code List	
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
- PRACH Midamble	Direct
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set

- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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	Not Present
- CHOICE <i>mode</i>	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE <i>mode</i>	TDD
- Offset	0
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Not Present (MD "Frame")
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- CHOICE TDD option	3.84 Mcps TDD /REL-4/

- Timeslot number	1
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	Type 1
- CHOICE Burst Type	Default midamble
- Midamble Allocation Mode	4
- Midamble configuration burst type 1 and 3	Not Present
- Midamble Shift	
- Code List	Reference clause 6.10 Parameter Set
- Channelisation Code	(This IE is repeated for TFC number for PCH and FACH.)
- TFCS	
- Normal	Complete reconfiguration
- TFCI Field 1 information	
- CHOICE TFCS representation	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- TFCS complete reconfiguration information	Reference clause 6.10 Parameter Set
- CHOICE CTFC Size	Not Present
- CTFC information	
- Power offset information	
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	TDD
- CHOICE Mode	Reference clause 6.10 Parameter Set
- Transmission Time Interval	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CTCH indicator	FALSE



- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N <sub>GAP</sub>	4
- N <sub>PCH</sub>	2
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type6 In connected mode (similar to SIB type5) (1.28 Mcps TDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- no data	
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- TSTD indicator	FALSE
- Cell parameters ID	Not Present
- Block SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- SYNC_UL info	
- SYNC_UL codes bitmap	"11111111"
- UL Target SIR	10 dB
- Power Ramping Step	3 dB
- Max SYNC_UL Transmissions	8
- Mmax	32
- PRACH definition	
- Timeslot number	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Timeslot number	1
- PRACH Channelisation Code List	
- Channelisation Code List	
- Channelisation Code	(8/1)
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not present
- FPACH info	
- Timeslot number	6
- Channelisation code	(16/16)
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Midamble Allocation Mode	Common Midamble
- Midamble configuration	8
- Midamble Shift	Not present
- WT	4
- PNBSCH allocation	Not Present /REL-4/
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS	Not present
- PRACH partitioning	

- Access Service Class	(ASC#0)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#1)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#2)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#3)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#4)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#5)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#6)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"111111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	
- Access Service Class	0.9 (for ASC#2)
- Persistence scaling factor	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	Not Present
- CHOICE <i>mode</i>	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	TDD
- CHOICE <i>mode</i>	0
- Offset	
- Common timeslot info	Frame
- 2 <sup>nd</sup> interleaving mode	Reference clause 6.10 Parameter Set
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	1
- Repetition period	0
- Repetition length	
- Individual timeslot info	
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Timeslot number	0
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble Allocation Mode	Default midamble

- Midamble configuration	4
- Midamble Shift	Not Present
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Modulation	Reference clause 6.10 Parameter Set
- SS-TPC Symbols	Reference clause 6.10 Parameter Set
- Code List	
- Channelisation Code	Reference clause 6.10 Parameter Set
- TFCS	Reference clause 6.10 Parameter Set
- Normal	
- TFCI Field 1 information	Complete reconfiguration
- CHOICE TFCS representation	
- TFCS complete reconfiguration information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- CHOICE CTFC Size	Reference clause 6.10 Parameter Set
- CTFC information	Not Present
- Power offset information	
- FACH/PCH information	
- Transport Channel Identity	12 (for PCH)
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present
- Channelisation code list	
- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- $N_{GAP}$	4
- $N_{PCH}$	2
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 7 (FDD)

CHOICE Mode	FDD
- UL interference	-100dBm
- PRACHs listed in system information block type5	
- Dynamic persistence level	2
- PRACHs listed in system information block type6	
- Dynamic persistence level	2
- Expiration Time Factor	Not Present – use default value of 1

Contents of System Information Block type 7 (TDD)

CHOICE Mode	TDD
PRACHs listed in system information block type5	
- Dynamic persistence level	2
PRACHs listed in system information block type6	
- Dynamic persistence level	2
Expiration Time Factor	Not Present – use default value of 1

Contents of System Information Block type 8, 9 (only for FDD)

This information is used for static CPCH in the cell, so this is not present.

Contents of System Information Block type 10 (only for FDD)

This information is used for DRAC, so this is not present.

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.

<ul style="list-style-type: none"> <li>- SIB12 indicator</li> <li>- FACH measurement occasion info</li> <li>- Measurement control system information</li> <li>- Use of HCS</li> <li>- Cell selection and reselection quality measure</li> </ul>	<p>A1, A2</p>	<p>TRUE Not Present</p>
<ul style="list-style-type: none"> <li>- <b>Intra-frequency measurement system information</b></li> <li>- Intra-frequency measurement identity</li> <li>- Intra-frequency cell info list</li> <li>- CHOICE intra-frequency cell removal</li> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> <li>- Cell individual offset</li> <li>- Reference time difference to cell</li> <li>- Read SFN indicator</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- Primary CPICH TX power</li> <li>- TX Diversity indicator</li> <li>- Cell Selection and Re-selection info</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> <li>- Cell individual offset</li> <li>- Reference time difference to cell</li> <li>- Read SFN indicator</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- Primary CPICH TX power</li> <li>- TX Diversity indicator</li> <li>- Cell Selection and Re-selection info</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>	<p>A1, A2</p>	<p>Not used CPICH RSCP</p> <p>Not Present Absence of this IE is equivalent to default value 1</p> <p>Not present (This IE shall be ignored by the UE for SIB11)</p> <p>1</p> <p>Not present Absence of this IE is equivalent to default value 0dB Not Present FALSE FDD</p> <p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4 Not Present FALSE Not Present (The IE shall be absent as this is the serving cell)</p> <p>2</p> <p>Not present Absence of this IE is equivalent to default value 0dB Not present TRUE FDD</p> <p>Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4 Not Present FALSE Not present For neighbouring cell, if HCS is not used and all the parameters in cell selection and re-selection info are Default value, this IE is absent.</p> <p>3</p> <p>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.3 (FDD)" in clause 6.1.4</p> <p>7</p> <p>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</p> <p>8</p> <p>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.8 (FDD)" in clause 6.1.4</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>	<p>A1</p>	<p>7</p> <p>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</p> <p>8</p> <p>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.8 (FDD)" in clause 6.1.4</p>
<ul style="list-style-type: none"> <li>- Cells for measurement</li> <li>- Intra-frequency measurement quantity</li> <li>- Filter coefficient</li> <li>- CHOICE mode</li> <li>- Measurement quantity</li> <li>- Intra-frequency reporting quantity for RACH Reporting</li> <li>- Maximum number of reported cells on RACH</li> </ul>	<p>A1, A2 A1, A2</p>	<p>Not Present</p> <p>Not present Absence of this IE is equivalent to the default value 0 FDD CPICH RSCP Not Present</p> <p>Not Present</p>

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

<ul style="list-style-type: none"> <li>- Hysteresis</li> <li>- Threshold Used Frequency</li> <li>- Reporting deactivation threshold</li> <li>- Replacement activation threshold</li> <li>- Time to trigger</li> <li>- Amount of reporting</li> <li>- Reporting interval</li> <li>- Reporting cell status</li> <li>- CHOICE reported cell</li>   <li>- Maximum number of reported cells</li> <li><b>- Inter-frequency measurement system information</b></li> <li>- Inter-frequency cell info list</li> <li>- CHOICE Inter-frequency cell removal</li>   <li>- New inter-frequency cells</li> <li>- Inter frequency cell id</li> <li>- Frequency info</li> <li>- CHOICE mode</li> <li>- UARFCN uplink(Nu)</li>   <li>- UARFCN downlink(Nd)</li> <li>- Cell info</li> <li>- Cell individual offset</li>   <li>- Reference time difference to cell</li> <li>- Read SFN indicator</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li>   <li>- Primary CPICH Tx power</li> <li>- TX Diversity Indicator</li> <li>- Cell Selection and Re-selection Info</li> <li>- Inter frequency cell id</li> <li>- Frequency info</li>   <li>- Cell info</li>   <li>- Inter frequency cell id</li> <li>- Frequency info</li>   <li>- Cell info</li>   <li>- Cell for measurement</li> <li>- Inter-RAT measurement system information</li> </ul>	<p>A1, A2</p> <p>A1</p> <p>A2</p>	<p>0.0</p> <p>Not Present</p> <p>Not Present</p> <p>3</p> <p>640</p> <p>4</p> <p>4000</p> <p>Report cell within active set and/or monitored set cells on used frequency</p> <p>3</p> <p>Not present (This IE shall be ignored by the UE for SIB11)</p> <p>4</p> <p>FDD</p> <p>Not present</p> <p>Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101</p> <p>Reference to table 6.1.2 for Cell 4</p> <p>Not present</p> <p>Absence of this IE is equivalent to default value 0dB</p> <p>Not present</p> <p>FALSE</p> <p>FDD</p> <p>Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4</p> <p>Not present</p> <p>FALSE</p> <p>Not present (same values as for serving cell applies)</p> <p>5</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>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.5 (FDD)" in clause 6.1.4</p> <p>6</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>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</p> <p>Not present</p> <p>Not Present</p>
<ul style="list-style-type: none"> <li><b>- Inter-RAT measurement system information</b></li> <li><b>- Inter-RAT cell info list</b></li> <li>- CHOICE <i>Inter-RAT cell removal</i></li>   <li>- New inter-RAT cells</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>- Cell individual offset</li> <li>- Cell selection and re-selection info</li> <li>- BSIC</li> </ul>		<p>Not Present (This IE shall be ignored by the UE for SIB11)</p> <p>9</p> <p>GSM</p> <p>0</p> <p>Not Present</p>



<ul style="list-style-type: none"> <li>- Base transceiver Station Identity Code (BSIC)</li> <li>- Band indicator</li> <li>- BCCH ARFCN</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>- Cell individual offset</li> <li>- Cell selection and re-selection info</li> <li>- BSIC</li> <li>- Base transceiver Station Identity Code (BSIC)</li> <li>- Band indicator</li> <li>- BCCH ARFCN</li> <li>- Cell for measurement</li> <li>- Traffic volume measurement system information</li> </ul>	A1, A2	<p>Reference to table 6.1.10 for Cell 9</p> <p>According to PICS/PIXIT Reference to table 6.1.10 for Cell 9 10 GSM</p> <p>0 Not Present</p> <p>Reference to table 6.1.10 for Cell 10</p> <p>According to PICS/PIXITs Reference to table 6.1.10 for Cell 10 Not present Not Present</p>
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment

**Contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD)**

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 (TDD) for cell 2 to 8.

<ul style="list-style-type: none"> <li>- SIB 12 Indicator</li> <li>- FACH measurement occasion info</li> <li>- Measurement control system information</li> <li>- Use of HCS</li> <li>- Cell selection and reselection quality measureCell</li> <li>- Intra-frequency measurement system information</li> <li>- Intra-frequency measurement identity</li> <li>- Intra-frequency cell info list</li> <li>- CHOICE intra-frequency cell removal</li> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> <li>- Cell individual offset</li> <li>- Reference time difference to cell</li> <li>- Read SFN Indicator</li> <li>- CHOICE mode</li> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> <li>- Primary CCPCH TX power</li> <li>- Timeslot list</li> <li>- CHOICE TDD option <ul style="list-style-type: none"> <li>- 3.84 Mcps TDD <ul style="list-style-type: none"> <li>- Timeslot number</li> <li>- Burst type</li> </ul> </li> <li>- 1.28 Mcps TDD <ul style="list-style-type: none"> <li>- Timeslot number</li> </ul> </li> </ul> </li> <li>- Cell Selection and Re-selection info</li> <li>- Cell for measurement</li> <li>- Intra-frequency measurement quantity</li> <li>- Filter coefficient</li> <li>- CHOICE mode</li> <li>- Measurement quantity list <ul style="list-style-type: none"> <li>- Measurement quantity</li> </ul> </li> </ul>	<p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p> <p>A1, A2</p>	<p>TRUE</p> <p>Not Present</p> <p>Not used (no data)</p> <p>Not Present Absence of this IE is equivalent to default value 1</p> <p>Not present (This IE shall be ignored by the UE for SIB11)</p> <p>1</p> <p>Not present Absence of this IE is equivalent to default value 0dB</p> <p>Not Present</p> <p>FALSE</p> <p>TDD</p> <p>Reference clause 6.1.4 Default settings for cell</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present Not Present</p> <p>Not Present Not Present (The IE shall be absent as this is the serving cell)</p> <p>Not Present</p> <p>Not present Absence of this IE is equivalent to the default value 0 TDD</p> <p>P-CCPCH RSCP</p>
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- Intra-frequency reporting quantity for RACH Reporting	Not Present
- Maximum number of reported cells on RACH	Not Present
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- Cell synchronisation information reporting indicator	TRUE
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored set cells	
- Cell synchronisation information reporting indicator	FALSE
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Measurement reporting mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting Mode	Event trigger
-CHOICE report criteria	
- Intra-frequency measurement reporting criteria	
- Parameters required for each event	
- Intra-frequency event identity	1g
- Triggering condition1	Not Present
- Triggering condition2	Not Present
- Reporting Range	Not Present
- cells forbidden to affect reporting range	Not Present
- W(optional in case of 1a,1b)	Not Present
- Hysteresis	0.0
- Threshold used frequency	Not Present
- Reporting deactivation threshold	3
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	4
- Reporting interval	4000
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	3
- Inter-frequency measurement system information	A1, A2

- Inter-frequency cell info list		Not present
- CHOICE Inter-frequency cell removal		(This IE shall be ignored by the UE for SIB11)
- New inter-frequency cells		4
- Inter frequency cell id		TDD
- Frequency info		Reference to table 6.1.2 for Cell 4
- CHOICE mode		Not present
- UARFCN (Nt)		Absence of this IE is equivalent to default value 0dB
- Cell info		Not present
- Cell individual offset		Not present
- Reference time difference to cell		Absence of this IE is equivalent to default value 0dB
- Cell individual offset		Not present
- Reference time difference to cell		Not present
- Read SFN indicator		FALSE
- CHOICE mode		TDD
- Primary CCPCH info		Refer to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4
- Primary CCPCH Tx power		Not present
- TX Diversity Indicator		FALSE
- Cell Selection and Re-selection Info		Not present (same values as for serving cell applies)
- Inter frequency cell id		5
- Frequency info		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.5 (TDD)" in clause 6.1.4
		6
- Inter frequency cell id		Not Present
- Frequency info		Absence of this IE is equivalent to value of the previous "frequency info" in the list.
		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 (TDD)" in clause 6.1.4
- Cell info		Not present
- Cell for measurement		Not Present
- Inter-RAT measurement system information	A1	
- Inter-RAT measurement system information	A2	
- Inter-RAT cell info list		
- CHOICE <i>Inter-RAT cell removal</i>		Not Present
		(This IE shall be ignored by the UE for SIB11)
- New inter-RAT cells		9
- Inter-RAT cell id		GSM
- CHOICE <i>Radio Access Technology</i>		
- GSM		0
- Cell individual offset		Not Present
- Cell selection and re-selection info		
- BSIC		Reference to table 6.1.10 for Cell 9
- Base transceiver Station Identity Code (BSIC)		According to PICS/PIXIT
- Band indicator		Reference to table 6.1.10 for Cell 9
- BCCH ARFCN		10
- Inter-RAT cell id		GSM
- CHOICE <i>Radio Access Technology</i>		
- GSM		0
- Cell individual offset		Not Present
- Cell selection and re-selection info		
- BSIC		Reference to table 6.1.10 for Cell 10
- Base transceiver Station Identity Code (BSIC)		According to PICS/PIXITs
- Band indicator		Reference to table 6.1.10 for Cell 10
- BCCH ARFCN		Not present
- Cell for measurement		Not Present
- Traffic volume measurement system information	A1, A2	

Condition	Explanation
A1	TDD cell environment
A2	TDD/GSM inter-RAT cell environment

#### Contents of System Information Block type 12 in connected mode (FDD)

This is the default message content of SIB 12 for cell 1.

See sub-clause 6.1.4 for the difference in message contents of System Information Block type 12 (FDD) for cell 2 to 8.

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell selection and reselection quality measure	CPICH RSCP
- Intra-frequency measurement system information	Not Present
<b>- Inter-frequency measurement system information</b>	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present

#### Contents of System Information Block type 12 in connected mode (3.84 Mcps and 1.28 Mcps TDD)

This is the default message content of SIB 12 for cell 1.

See sub-clause 6.1.4 for the difference in message contents of System Information Block type 12 (TDD) for cell 2 to 8.

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell selection and reselection quality measure	(no data)
- Intra-frequency measurement system information	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present

#### Contents of System Information Block type 13 (used when supported PLMN type is ANSI-41)

- CN Domain system information list	
- CN Domain system information	<i>For Packet-Switched domain</i>
- CN domain identity	PS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- CN Domain system information	<i>For Circuit-Switched domain</i>
- CN domain identity	CS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- UE timers and constants in idle mode	
- T300	400 milliseconds
- N300	3
- T312	10 seconds
- N312	200
- Capability update requirement	
- UE radio access FDD capability update requirement	TRUE

- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

Contents of System Information Block type 14 (3.84 Mcps TDD)

- Individual Timeslot interference list	
- Individual Timeslot interference	
- Timeslot number	2
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	3
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	4
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	5
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	6
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	7
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	9
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	10
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	11
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	12
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	13
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	14
- UL Timeslot Interference	-90 dbm
- Expiration Time Factor	Not Present (MD "1")

Contents of System Information Block type 16

- Predefined RB configuration	[FFS]
- Predefined TrCh configuration	[FFS]
- Predefined Phy configuration	[FFS]

Contents of System Information Block type 17 (3.84 Mcsps TDD and 1.28 Mcps TDD)

This system information block contains fast changing parameters for the configuration of the shared physical channels to be used in connected mode, so this is not present.

## Contents of System Information Block type 18

- Idle mode PLMN identities	
- PLMNs of intra-frequency cells list	Not present
- PLMNs of inter-frequency cells list	Not present
- PLMNs of inter-RAT cells list	Not present
- Connected mode PLMN identities	Not present

### 6.1.1 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second SCCPCH

Two SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and the second SCCPCH carries the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/DCCH/BCCH.

This Reference System Configuration is the same as defined in chapter 6.1, except for the following SIBs.

## 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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- 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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- CHOICE TFCS signalling	Normal
- TFCS Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit



- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- 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
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	Not Present
	Absence of this IE is equivalent to default value "TRUE"
- Fixed or Flexible position	Not Present
	Absence of this IE is equivalent to default value "Flexible"
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	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>

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>

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

<FFS>

### 6.1.2 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH, RB for CTCH + SRBs for CCCH/BCCH in the second SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the third SCCPCH (FDD only)

Three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH. The second SCCPCH carries the FACH for CTCH (Cell Broadcast Service) and the FACH for SRBs on CCCH/ BCCH for idle mode UEs. The third SCCPCH carries the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/ DCCH/ BCCH for connected mode UEs.

This Reference System Configuration is the same as defined in chapter 6.1, except for the following SIBs.

## 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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- 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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- CHOICE TFCS signalling	Normal
- TFCS Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit

- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- 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
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCI existence	Not Present
	Absence of this IE is equivalent to default value "TRUE"
- Fixed or Flexible position	Not Present
	Absence of this IE is equivalent to default value "Flexible"
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 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

- FACH/PCH information	(FACH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- 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	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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	
- Secondary CCPCH info	(SCCPCH including two FACHs)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	Not Present
- Fixed or Flexible position	Absence of this IE is equivalent to default value "TRUE"
- Timing offset	Not Present
- TFCS	Absence of this IE is equivalent to default value "Flexible"
- CHOICE TFCS signalling	90
- TFCI Field 1 information	Normal
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	16 (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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130

- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

### 6.1.3 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second and third SCCPCHs

Three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and both the second and third SCCPCHs carry the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/ DCCH/ BCCH.

This Reference System Configuration is the same as defined in chapter 6.1, except for the following SIBs. (SIB6 is not used in this configuration.)

#### Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Not Present
- SEG_COUNT	1
- SIB_REP	16
- SIB_POS	4
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	36
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18



## Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- 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
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI 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
- Reference 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 $\beta_c$	11
- Gain factor $\beta_d$	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- 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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-Channel Number	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Assigned Sub-Channel Number	Not Present
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	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)
- 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	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- CHOICE TFCS signalling	Normal
- TFCS Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit

- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- 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	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- 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
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	Not Present
	Absence of this IE is equivalent to default value "TRUE"
- Fixed or Flexible position	Not Present
	Absence of this IE is equivalent to default value "Flexible"
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0
- TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCI existence	Not Present
- Fixed or Flexible position	Absence of this IE is equivalent to default value "TRUE"
- Timing offset	Not Present
- TFCS	Absence of this IE is equivalent to default value "Flexible"
- CHOICE TFCS signalling	90
- TFCS Field 1 information	Normal
- CHOICE TFCS representation	Complete reconfiguration
- TFCS 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
- Power offset information	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	
- RLC 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	FDD
- 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	16 (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	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

<FFS>

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

<FFS>

## CHANGE REQUEST

⌘ **34.108 CR 352** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Correction to Default Message Content for Radio Bearer Setup Message.		
<b>Source:</b>	⌘ Anite		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 30/07/2004
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:	
<b>F</b> (correction)		2 (GSM Phase 2)	
<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)	
<b>B</b> (addition of feature),		R97 (Release 1997)	
<b>C</b> (functional modification of feature)		R98 (Release 1998)	
<b>D</b> (editorial modification)		R99 (Release 1999)	
Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)	
		Rel-5 (Release 5)	
		Rel-6 (Release 6)	

**Reason for change:** ⌘ **1. Currently the default Message Content for the Radio Bearer Setup message specifies that the IE “Scrambling code change” should be set to “No Change”.**

However as per TS 3GPP 25.331 section 10.3.6.21:

“The information element is mandatory present if the UE has a compressed mode pattern sequence configured in variable TGPS\_IDENTITY or included in the message including IE "Downlink DPCH info for each RL", which is using compressed mode method "SF/2". **Otherwise the IE is not needed.**”

Thus there is no need to send this IE and hence **it can either be sent or not sent at the discretion of the TTCN author.**

Also, in some of the T1 approved TTCN test cases, this IE is set to OMIT.

**2. For MultiRAB CS-PS test cases, Radio Bearer Setup Message is sent twice to the Mobile. Once for the CS RAB and then for PS RAB.**

While sending PS RAB information in the IE “Added or Reconfigured DL TrCH information” and “Added or Reconfigured UL TrCH information” DCH channel information for the one carrying DCCH data should not be sent as this transport channel is neither added nor reconfigured.

Also the transport Channel Identities used for the UL and DL DCH will be different than that mentioned for “Packet to CELL\_DCH from CELL\_DCH in PS”.

**Note: The proposed change relating to the following issue has been removed from**

this CR. This issue will be considered separately in Tdoc T1-041433 which will be submitted for approval to the email reflector.

**In the default Message Content for the Radio Bearer Setup Message for DL Transport Channel 10, DL parameters are set to the same as for UL transport Channel 5.**

As per TS 3GPP 34.108 section 6.10.2.4.1.2.2.1.1:  
RM attribute in DL should be in range 155-230, whereas in the UL as per section 6.10.2.4.1.2.1.1.1 it should be 155-185.

**Summary of change:** ⌘

1. In the IE "Downlink information for each radio link list" changed the value of "Scrambling code change" from " No Change" to "Not **Needed**" for the conditions "A1, A2, A3, A4, A7, A8" and "A9"
2. Added a new condition **A11** "Packet RAB Setup after Speech RAB Setup in CELL\_DCH". For this condition added content for the following IE's:
  - i) RAB information for setup
  - ii) Added or Reconfigured UL TrCH information
  - iii) Added or Reconfigured DL TrCH information
3. Corrected English language error in condition table as requested in T1#24 meeting.

**Consequences if not approved:**

⌘ Inconsistency will remain between the Core Specifications, Test Specifications and the TTCN.

**Clauses affected:**

⌘ 9.1.1

**Other specs affected:**

	Y	N		⌘
		X	Other core specifications	
	X		Test specifications	
		X	O&M Specifications	

**Other comments:**

⌘ Affects R99, Rel-4 and Rel-5 UEs

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

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

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

<< START OF MODIFIED SECTION >>

## 9 Default Message Contents

### 9.1 Default Message Contents for Signalling

#### 9.1.1 Default RRC Message Contents (FDD)

.....

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 <sub>1</sub> , A11, A9		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 MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3 <sub>1</sub> , A11, A9	(256+CFN-(CFN MOD 8 + 8))MOD 256	REL-5
Activation time	A4, A5, A6, A7, A8	Not Present	
New U-RNTI	A1, A2, A3, A4, A5, A6, A7, A8 <sub>1</sub> , A11, A9	Not Present	REL-5
New C-RNTI	A1, A2, A3, A4, A7, A8 <sub>1</sub> , A11, A9	Not Present	REL-5
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8 <sub>1</sub> , A11, A9	Not Present	REL-5
New H-RNTI	A1, A2, A3, A4, A5, A6, A7, A8 <sub>1</sub> , A11	Not Present	REL-5



Information Element	Condition	Value/remark	Version
New H-RNTI	A9	'1010 1010 1010 1010'	REL-5
RRC State indicator	A1, A2, A3, A4, A7, A8, <a href="#">A11</a> , A9	CELL_DCH	REL-5
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6, A7, A8, <a href="#">A11</a> , A9	Not Present	REL-5
CN information info		Not Present	REL-5
URA identity		Not Present	REL-5
CHOICE <i>specification mode</i>		Complete specification	REL-5
- Complete specification			REL-5
- Signalling RB information to setup		Not Present	
- RAB information for setup	A1, A7		
- RAB info		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- RAB identity		CS domain Not Present useT314	
- CN domain identity		10	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		RLC info	
- RB information to setup		TM RLC	
- RB identity		Not Present	
- PDCP info		FALSE	
- CHOICE RLC info type		TM RLC	
- CHOICE Uplink RLC mode		FALSE	
- Transmission RLC discard		TM RLC	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode			
- Segmentation indication			
- RB mapping info			
- Information for each multiplexing option			
- RLC logical channel mapping indicator		Not Present	
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		7	
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels		1	
- Downlink transport channel type		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		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- RAB identity		CS domain Not Present useT314	
- CN domain identity		10	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		RLC info	
- RB information to setup		TM RLC	
- RB identity		Not Present	
- PDCP info		FALSE	
- CHOICE RLC info type		TM RLC	
- CHOICE Uplink RLC mode		Not Present	
- Transmission RLC discard		FALSE	
- Segmentation indication			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<ul style="list-style-type: none"> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>1</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>6</li> <li>Not Present</li> <li>Not Present</li> <li>11</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>7</li> <li>Not Present</li> <li>Not Present</li> <li>12</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>3</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>8</li> <li>Not Present</li> <li>Not Present</li> </ul>	
- RAB information for setup	A3, A4, A5,		

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- RAB info</li> <li>- RAB identity</li>   <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info <ul style="list-style-type: none"> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> </ul> </li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard <ul style="list-style-type: none"> <li>- CHOICE SDU discard mode <ul style="list-style-type: none"> <li>- MAX_DAT</li> </ul> </li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> </ul> </li> <li>- CHOICE Downlink RLC mode <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> <li>- RB mapping info <ul style="list-style-type: none"> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info <ul style="list-style-type: none"> <li>- Number of downlink RLC logical channels</li> </ul> </li> </ul> </li> <li>channels <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> </ul> </li> </ul>	A6	<p>(AM DTCH for PS domain) 0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present useT315</p> <p>20</p> <p>FALSE Not present Absent Not present RLC info AM RLC</p> <p>No Discard 15 128 500 4</p> <p>200 200 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 128</p> <p>200 Not Present TRUE Not Present</p> <p>2 RBMuxOptions Not Present 1 DCH 1 Not Present Configured 8 1</p> <p>DCH 6 Not Present Not Present Not Present 1 RACH Not Present 7 Explicit list Reference to TS34.108 clause 6 Parameter Set 8</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		1  FACH Not Present Not Present 7	
<ul style="list-style-type: none"> <li>- RAB information for setup</li> <li>- RAB info</li> <li>- RAB identity</li>   <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> </ul>	A9	(high-speed AM DTCH for PS domain) 0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present useT315  23  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  100 100 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 768  100 Not Present TRUE Not Present  3 RBMuxOptions Not Present 1 DCH 1 Not Present Configured 8  1  DCH 6 Not Present Not Present Not Present Not Present 1 DCH	REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<ul style="list-style-type: none"> <li>1</li> <li>Not Present</li> <li>Configured</li> <li>8</li> <li>1</li> <li>HS-DSCH</li> <li>Not Present</li> <li>Not Present</li> <li>0</li> <li>Not Present</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>7</li> <li>Explicit list</li> <li>Reference to TS34.108 clause 6</li> <li>Parameter Set</li> <li>8</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>7</li> </ul>	
<ul style="list-style-type: none"> <li>- <a href="#">RAB information for setup</a></li> <li>- <a href="#">RAB info</a></li> <li>- <a href="#">RAB identity</a></li> <li>- <a href="#">CN domain identity</a></li> <li>- <a href="#">NAS Synchronization Indicator</a></li> <li>- <a href="#">Re-establishment timer</a></li> <li>- <a href="#">RB information to setup</a></li> <li>- <a href="#">RB identity</a></li> <li>- <a href="#">PDCP info</a></li> <li>- <a href="#">Support for lossless SRNS relocation</a></li> <li>- <a href="#">Max PDCP SN window size</a></li> <li>- <a href="#">PDCP PDU header</a></li> <li>- <a href="#">Header compression information</a></li> <li>- <a href="#">CHOICE RLC info type</a></li> <li>- <a href="#">CHOICE Uplink RLC mode</a></li> <li>- <a href="#">Transmission RLC discard</a></li> <li>- <a href="#">CHOICE SDU discard mode</a></li> <li>- <a href="#">MAX_DAT</a></li> <li>- <a href="#">Transmission window size</a></li> <li>- <a href="#">Timer_RST</a></li> <li>- <a href="#">Max_RST</a></li> <li>- <a href="#">Polling info</a></li> <li>- <a href="#">Timer_poll_prohibit</a></li> <li>- <a href="#">Timer_poll</a></li> <li>- <a href="#">Poll_PDU</a></li> <li>- <a href="#">Poll_SDU</a></li> <li>- <a href="#">Last transmission PDU poll</a></li> <li>- <a href="#">Last retransmission PDU poll</a></li> <li>- <a href="#">Poll Windows</a></li> <li>- <a href="#">Timer_poll_periodic</a></li> <li>- <a href="#">CHOICE Downlink RLC mode</a></li> <li>- <a href="#">In-sequence delivery</a></li> <li>- <a href="#">Receiving window size</a></li> <li>- <a href="#">Downlink RLC status info</a></li> <li>- <a href="#">Timer_status_prohibit</a></li> <li>- <a href="#">Timer_EPC</a></li> </ul>	<a href="#">A11</a>	<ul style="list-style-type: none"> <li><a href="#">(AM DTCH for PS domain)</a></li> <li><a href="#">0000 0101B</a></li> <li><a href="#">The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.</a></li> <li><a href="#">PS domain</a></li> <li><a href="#">Not Present</a></li> <li><a href="#">useT315</a></li> <li><a href="#">20</a></li> <li><a href="#">FALSE</a></li> <li><a href="#">Not present</a></li> <li><a href="#">Absent</a></li> <li><a href="#">Not present</a></li> <li><a href="#">RLC info</a></li> <li><a href="#">AM RLC</a></li> <li><a href="#">No Discard</a></li> <li><a href="#">15</a></li> <li><a href="#">128</a></li> <li><a href="#">500</a></li> <li><a href="#">4</a></li> <li><a href="#">200</a></li> <li><a href="#">200</a></li> <li><a href="#">Not Present</a></li> <li><a href="#">1</a></li> <li><a href="#">TRUE</a></li> <li><a href="#">TRUE</a></li> <li><a href="#">99</a></li> <li><a href="#">Not Present</a></li> <li><a href="#">AM RLC</a></li> <li><a href="#">TRUE</a></li> <li><a href="#">128</a></li> <li><a href="#">200</a></li> <li><a href="#">Not Present</a></li> </ul>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- <a href="#">Missing PDU indicator</a></li> <li>- <a href="#">Timer STATUS periodic</a></li> <li>- <a href="#">RB mapping info</a></li> <li>- <a href="#">Information for each multiplexing option</a></li> <li>- <a href="#">RLC logical channel mapping indicator</a></li> <li>- <a href="#">Number of uplink RLC logical channels</a></li> <li>- <a href="#">Uplink transport channel type</a></li> <li>- <a href="#">UL Transport channel identity</a></li> <li>- <a href="#">Logical channel identity</a></li> <li>- <a href="#">CHOICE RLC size list</a></li> <li>- <a href="#">MAC logical channel priority</a></li> <li>- <a href="#">Downlink RLC logical channel info</a></li> <li>- <a href="#">Number of downlink RLC logical channels</a></li> <li>- <a href="#">Downlink transport channel type</a></li> <li>- <a href="#">DL DCH Transport channel identity</a></li> <li>- <a href="#">DL DSCH Transport channel identity</a></li> <li>- <a href="#">Logical channel identity</a></li> <li>- <a href="#">RLC logical channel mapping indicator</a></li> <li>- <a href="#">Number of uplink RLC logical channels</a></li> <li>- <a href="#">Uplink transport channel type</a></li> <li>- <a href="#">UL Transport channel identity</a></li> <li>- <a href="#">Logical channel identity</a></li> <li>- <a href="#">CHOICE RLC size list</a></li> <li>- <a href="#">RLC size index</a></li> <li>- <a href="#">MAC logical channel priority</a></li> <li>- <a href="#">Downlink RLC logical channel info</a></li> <li>- <a href="#">Number of downlink RLC logical channels</a></li> <li>- <a href="#">Downlink transport channel type</a></li> <li>- <a href="#">DL DCH Transport channel identity</a></li> <li>- <a href="#">DL DSCH Transport channel identity</a></li> <li>- <a href="#">Logical channel identity</a></li> </ul>		<p><a href="#">TRUE</a> <a href="#">Not Present</a></p> <p><a href="#">2 RBMuxOptions</a> <a href="#">Not Present</a></p> <p><a href="#">1</a> <a href="#">DCH</a> <a href="#">4</a> <a href="#">Not Present</a> <a href="#">Configured</a> <a href="#">8</a></p> <p><a href="#">1</a> <a href="#">DCH</a> <a href="#">9</a> <a href="#">Not Present</a> <a href="#">Not Present</a> <a href="#">Not Present</a></p> <p><a href="#">1</a> <a href="#">RACH</a> <a href="#">Not Present</a> <a href="#">7</a> <a href="#">Explicit list</a> <a href="#">Reference to TS34.108 clause 6</a> <a href="#">Parameter Set</a> <a href="#">8</a></p> <p><a href="#">1</a> <a href="#">FACH</a> <a href="#">Not Present</a> <a href="#">Not Present</a> <a href="#">7</a></p>	
RB information to be affected	A1, A2, A3, A4, A5, A6, A7, A8 <sub>1</sub> , <a href="#">A11</a> , A9	Not Present	REL-5
Downlink counter synchronisation info	A1, A2, A3, A4, A5, A6, A7, A8 <sub>1</sub> , <a href="#">A11</a> , A9	Not Present	REL-5
UL Transport channel information for all transport channels  <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> </ul>	A1, A2, A3, A4, A5, A6, A7, A8 <sub>1</sub> , <a href="#">A11</a> , A9	Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set	REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul>		<p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 0 FDD Not Present Not Present</p>	
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6, A7, A8, <a href="#">A11</a> , A9		REL-5
Added or Reconfigured UL TrCH information	A1, A3 A4, A5, A6, A7, A9	1 DCH added, 1 DCH reconfigured	REL-5
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> </ul>		<p>DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>	

Information Element	Condition	Value/remark	Version
- Rate matching attribute - CRC size		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
<a href="#">Added or Reconfigured UL TrCH information</a>	<a href="#">A11</a>	<a href="#">1 DCH added for DTCH</a>	
- <a href="#">Uplink transport channel type</a>		<a href="#">DCH</a>	
- <a href="#">UL Transport channel identity</a>		<a href="#">4</a>	
- <a href="#">TFS</a>			
- <a href="#">CHOICE Transport channel type</a>		<a href="#">Dedicated transport channels</a>	
- <a href="#">Dynamic Transport format information</a>			
- <a href="#">RLC Size</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
- <a href="#">Number of TBs and TTI List</a>		<a href="#">(This IE is repeated for TFI number.)</a>	
- <a href="#">Transmission Time Interval</a>		<a href="#">Not Present</a>	
- <a href="#">Number of Transport blocks</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
- <a href="#">CHOICE Logical Channel list</a>		<a href="#">All</a>	
- <a href="#">Semi-static Transport Format information</a>			
- <a href="#">Transmission time interval</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
- <a href="#">Type of channel coding</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
- <a href="#">Coding Rate</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
- <a href="#">Rate matching attribute</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
- <a href="#">CRC size</a>		<a href="#">Reference to TS34.108 clause 6.10 Parameter Set</a>	
Added or Reconfigured UL TrCH information  - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval  - Type of channel coding  - Coding Rate  - Rate matching attribute  - CRC size  - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size  - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks  - CHOICE Logical Channel list - Semi-static Transport Format information	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>		<p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH</p> <p>2</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH</p> <p>3</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>CHOICE <i>mode</i></p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	<p>A1, A2, A3, A4, A5, A6, A7, A8, <a href="#">A11</a>, A9</p>	<p>FDD</p> <p>Not Present</p> <p>Not Present</p>	REL-5
DL Transport channel information common for all transport channel	A1, A2, A7, A8		

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>		Not Present FDD SameasUL	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	A3, A4, A5, A6, <a href="#">A11</a> , A9	Not Present FDD Explicit  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present	REL-5
Deleted DL TrCH information  Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A1, A2, A3, A4, A5, A6, A7, A8, A9  A1	Not Present  1 DCH added, 1 DCH reconfigured DCH 6 Same as UL DCH 1  -2.0 DCH 10 Same as UL DCH 5  -2.0	REL-5
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> </ul>	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5  -2.0 DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set All	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Type of channel coding</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Coding Rate</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- CRC size</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		-2.0	
Added or Reconfigured DL TrCH information	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for DTCH)	
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>		DCH	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>		10	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>		Same as UL	
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>		DCH	
<ul style="list-style-type: none"> <li>- UL TrCH identity</li> </ul>		5	
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>		2.0	
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>		DCH	
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>		6	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>		Explicit	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>			
<ul style="list-style-type: none"> <li>- TFS</li> </ul>		Dedicated transport channel	
<ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> </ul>			
<ul style="list-style-type: none"> <li>- Dynamic transport format information</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- RLC Size</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul style="list-style-type: none"> <li>- Dynamic transport format information</li> </ul>		Not Present	
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Number of Transport blocks</li> </ul>		All	
<ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> </ul>			
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Type of channel coding</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Coding Rate</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- CRC size</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>		Not Present	
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>		DCH	
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>		7	
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>		Explicit	
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>			
<ul style="list-style-type: none"> <li>- TFS</li> </ul>		Dedicated transport channel	
<ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> </ul>			
<ul style="list-style-type: none"> <li>- Dynamic transport format information</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- RLC Size</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul style="list-style-type: none"> <li>- Dynamic transport format information</li> </ul>		Not Present	
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Number of Transport blocks</li> </ul>		All	
<ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> </ul>			
<ul style="list-style-type: none"> <li>- Semi-static Transport Format information</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set	
<ul style="list-style-type: none"> <li>- Type of channel coding</li> </ul>		Reference to TS34.108 clause 6.10	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		<ul style="list-style-type: none"> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Not Present</li> <li>DCH</li> <li>8</li> <li>Explicit</li> <li>Dedicated transport channel</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>(This IE is repeated for TFI number.)</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>All</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Not Present</li> </ul>	
<p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul> </li> <li>- DCH quality target <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> </ul>	A9	<ul style="list-style-type: none"> <li>3 TrCHs (DCH for DCCH and DCH plus HS-DSCH for DTCH)</li> <li>DCH</li> <li>10</li> <li>Same as UL</li> <li>DCH</li> <li>5</li> <li>-2.0</li> <li>DCH</li> <li>6</li> <li>Explicit</li> <li>Dedicated transport channel</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>(This IE is repeated for TFI number.)</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>All</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> <li>Parameter Set</li> <li>Reference to TS34.108 clause 6.10</li> </ul>	REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CRC size</li> <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 <ul style="list-style-type: none"> <li>- HARQ Info <ul style="list-style-type: none"> <li>- Number of Processes</li> <li>- CHOICE <i>Memory Partitioning</i></li> </ul> </li> <li>- Added or reconfigured MAC-d flow <ul style="list-style-type: none"> <li>- MAC-hs queue to add or reconfigure list</li> <li>- MAC-hs queue Id</li> <li>- MAC-d Flow Identity</li> <li>- T1</li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info <ul style="list-style-type: none"> <li>- MAC-d PDU size</li> <li>- MAC-d PDU size index</li> </ul> </li> <li>- MAC-hs queue to delete list</li> </ul> </li> <li>- DCH quality target</li> </ul> </li> </ul>		Parameter Set Reference to TS34.108 clause 6.10 Parameter Set  -2.0 HS-DSCH Not Present HS-DSCH  6 Implicit  (one queue)  0 0 50 16  336 0 Not present Not present	
<a href="#">Added or Reconfigured DL TrCH information</a> <ul style="list-style-type: none"> <li>- <a href="#">Downlink transport channel type</a></li> <li>- <a href="#">DL Transport channel identity</a></li> <li>- <a href="#">CHOICE DL parameters</a></li> <li>- <a href="#">TFS</a></li> <li>- <a href="#">CHOICE Transport channel type</a></li> <li>- <a href="#">Dynamic transport format information</a></li> <li>- <a href="#">RLC Size</a></li> <li>- <a href="#">Number of TBs and TTI List</a></li> <li>- <a href="#">Dynamic transport format information</a></li> <li>- <a href="#">Transmission Time Interval</a></li> <li>- <a href="#">Number of Transport blocks</a></li> <li>- <a href="#">CHOICE Logical Channel list</a></li> <li>- <a href="#">Semi-static Transport Format information</a></li> <li>- <a href="#">Transmission time interval</a></li> <li>- <a href="#">Type of channel coding</a></li> <li>- <a href="#">Coding Rate</a></li> <li>- <a href="#">Rate matching attribute</a></li> <li>- <a href="#">CRC size</a></li> <li>- <a href="#">DCH quality target</a></li> <li>- <a href="#">BLER Quality value</a></li> </ul>	<a href="#">A11</a>	<a href="#">1 DCH for DTCH</a> <a href="#">DCH</a> <a href="#">9</a> <a href="#">Explicit</a>  <a href="#">Dedicated transport channel</a>  <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> (This IE is repeated for TFI number.)  Not Present <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> All  <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> -2.0	
Frequency info  <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1, A2, A3, A4, A5, A7, A8, <a href="#">11</a> , A9	Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.  Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.	REL-5
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1, A2, A3, A4, A7, A8	33dBm	

Information Element	Condition	Value/remark	Version
Maximum allowed UL TX power	<a href="#">A11</a> , A9	Not Present	REL-5
CHOICE channel requirement	A5, A6	Uplink DPCH info	REL-5 REL-5 REL-5
- Uplink DPCH power control info	A1, A2, A3, A4, A7, A8, <a href="#">A11</a>	-80dB (i.e. ASN.1 IE value of -40)	
- DPCCH power offset		1 frame	
- PC Preamble		7 frames	
- SRB delay		Algorithm1	
- Power Control Algorithm		1dB	
- TPC step size		Not Present	
- $\Delta_{NACK}$		Not Present	
- $\Delta_{ACK}$		Not Present	
- Ack-Nack repetition factor		Long	
- Scrambling code type		0 (0 to 16777215)	
- Scrambling code number		Not Present(1)	
- Number of DPDCH		Reference to TS34.108 clause 6.10 Parameter Set	
- spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set		
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set		
CHOICE channel requirement	A9	Uplink DPCH info	REL-5
- Uplink DPCH power control info			
- DPCCH power offset		-6dB	
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
- TPC step size		1dB	
- $\Delta_{ACK}$		3	
- $\Delta_{NACK}$		3	
- Ack-Nack repetition factor		1	
- Scrambling code type		Long	
- Scrambling code number		0 (0 to 16777215)	
- Number of DPDCH		Not Present(1)	
- spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter Set	
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE channel requirement	A5,A6	Not Present	
CHOICE Mode	A1, A2, A3, A4, A5, A6, A7, A8, <a href="#">A11</a> , A9	FDD	REL-5
- Downlink PDSCH information		Not Present	
Downlink information common for all radio links	A1, A2, A3, <a href="#">A11</a>	Maintain	
- Downlink DPCH info common for all RL		Not Present	
- Timing indicator			
- CFN-targetSFN frame offset			
- Downlink DPCH power control information			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPDCCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>		0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present	
Downlink information common for all radio links	A9		REL-5
- Downlink DPCH info common for all RL			
- Timing indicator		Maintain	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset $P_{Pilot-DPDCCH}$		0	
- DL rate matching restriction information		Not Present	
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
- 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	
- Power offset $P_{Pilot-DPDCCH}$		0	
- DL rate matching restriction information		Not Present	
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set	
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Arbitrary set to value 0..306688 by step of 512	
Downlink HS-PDSCH Information	A1, A2, A3,	Not Present	REL-5

Information Element	Condition	Value/remark	Version
	A4, A5, A6, A7, A8, A11		
Downlink HS-PDSCH Information - HS-SCCH Info - CHOICE mode - DL Scrambling Code - HS-SCCH Channelisation Code Information - HS-SCCH Channelisation Code - Measurement Feedback Info - CHOICE mode - POhdsch - CQI Feedback cycle, k - CQI repetition factor - $\Delta_{CQI}$  - CHOICE mode	A9	FDD  1  FDD 6 dB 4 ms 1 5 (corresponds to 0dB in relative power offset) FDD (no data)	REL-5
Downlink information common for all radio links	A5,A6	Not Present	
Downlink information for each radio link list  - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor  - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH	A1, A2, A3, A4, A7, A8, A11	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  1 Reference to TS34.108 clause 6.10 Parameter Set 0 <del>No change</del> <u>Not Needed</u> 0 Not Present Not Present Not Present	REL-5
Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - SCCPCH information for FACH	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not present Not Present	REL-5
Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL	A9	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present TRUE	REL-5



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li>   <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  1 Reference to TS34.108 clause 6.10 Parameter Set 0 <del>No change</del> <a href="#">Not Needed</a> 0 Not Present Not Present Not Present	
Downlink information for each radio link list	A6	Not Present	

Condition	Explanation	Version
A1	This IE <a href="#">is needed</a> for "Non speech to CELL_DCH from CELL_DCH in CS"	REL-5
A2	This IE <a href="#">is needed</a> for "Speech to CELL_DCH from CELL_DCH in CS"	
A3	This IE <a href="#">is needed</a> for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE <a href="#">is needed</a> for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE <a href="#">is needed</a> for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE <a href="#">is needed</a> for "Packet to CELL_FACH from CELL_FACH in PS"	
A7	This IE <a href="#">is needed</a> for "Non speech to CELL_DCH from CELL_FACH in CS"	
A8	This IE <a href="#">is needed</a> for "Speech to CELL_DCH from CELL_FACH in CS"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH from CELL_DCH in PS"	
<a href="#">A11</a>	<a href="#">This IE is needed for " Packet RAB Setup after Speech RAB Setup in CELL_DCH"</a>	

<< END OF MODIFIED SECTION >>

## CHANGE REQUEST

# 34.108 CR 353 # rev - # Current version: 5.1.0 #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	# Correction to Default Message Content for Radio Bearer Reconfiguration Message for Condition A6 (Revision of T1-041261)		
<b>Source:</b>	# Anite		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 27/07/2004
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	# For condition A6 "Packet to CELL_FACH from CELL_FACH in PS" in the default content for Radio Bearer Reconfiguration message IE "Downlink information for each radio link" is marked as Not Present.  As per 3GPP TS 25.331 section 10.2.27, IE "Downlink information per radio link list" the semantic description is :  "Although this IE is not always required, need is MP to align with ASN.1"  Therefore, in order to align the TTCN to the ASN.1 (for R99), this IE should be present.
<b>Summary of change:</b>	# In the Default Message content for the Radio Bearer Reconfiguration Message the IE "Downlink information for each radio link" is set to Present (for R99).
<b>Consequences if not approved:</b>	# Mismatch between core specification and test specification.

<b>Clauses affected:</b>	# 9.1.1								
<b>Other specs affected:</b>	<table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">Y</td> <td style="border: 1px solid black; padding: 2px;">N</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">#</td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">#</td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">#</td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	#	X	#	X	#	X
Y	N								
#	X								
#	X								
#	X								
<b>Other comments:</b>	# Affects R99 UEs only								

### How to create CRs using this form:

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

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

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## 9 Default Message Contents

### 9.1 Default Message Contents for Signalling

#### 9.1.1 Default RRC Message Contents (FDD)

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**<<START OF MODIFIED SECTION>>**

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark	Version
Message Type RRC transaction identifier Integrity check info - message authentication code  - RRC message sequence number Integrity protection mode info Ciphering mode info Activation time Activation time New U-RNTI	A1,A2,A3, A4,A5,A6     A1,A2,A3 A4, A5,A6	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present Not Present	
New C-RNTI	A1, A2, A3, A4,	Not Present	
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present	
New H-RNTI	A1, A2, A3, A4, A5, A6	Not Present	REL-5
RRC State indicator	A1, A2, A3, A4	CELL_DCH	
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient  CN information info URA identity CHOICE specification mode	A1,A2,A3, A4,A5,A6	Not Present Not Present [FFS]	REL-5
RAB information to reconfigure list		Not Present	
RB information to reconfigure list  - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info	A1	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 10 Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>		Not Present Not Present Not Present Not Present	
RB information to reconfigure list  <ul style="list-style-type: none"> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>	A2	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present Not Present (AM DCCH for RRC) 2 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT High priority) 3 Not Present Not Present Not Present Not Present Not Present (AM DCCH for NAS_DT Low priority) 4 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 10 Not Present Not Present Not Present Not Present Not Present (TM DTCH) 11 Not Present Not Present Not Present Not Present Not Present (TM DTCH) (This IE is needed for 12.2 kbps and 10.2 kbps) 12 Not Present Not Present Not Present Not Present Not Present	
RB information to reconfigure list  <ul style="list-style-type: none"> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> </ul>	A3,A4,A5, A6	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1". (UM DCCH for RRC) 1 Not Present Not Present Not Present Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> <li>- RB information to reconfigure</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- PDCP SN info</li> <li>- RLC info</li> <li>- RB mapping info</li> <li>- RB stop/continue</li> </ul>		<p>Not Present (AM DCCH for RRC) 2</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present (AM DCCH for NAS_DT High priority) 3</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present (AM DCCH for NAS_DT Low priority) 4</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present (AM DTCH) 20</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>	
RB information to be affected	A1, A2, A3, A4, A5, A6	Not Present	
UL Transport channel information for all transport channels	A1, A2, A5, A6	Not Present	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> </ul> <p>- CTFC information</p> <p>- CTFC</p> <p>- Power offset information</p> <p>- CHOICE Gain Factors</p> <p>- Gain factor <math>\beta_c</math></p> <p>- Gain factor <math>\beta_d</math></p>	A3, A4	<p>Not Present</p> <p>FDD</p> <p>Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.</p> <p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</p> <p>11 (below 64 kbps)</p> <p>9 (higher than 64 kbps)</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul>		Factors) 0 FDD Not Present	
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6	Not Present	
Added or Reconfigured UL TrCH information  Added or Reconfigured UL TrCH information  <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	A1, A2, A5, A6 A4	Not Present  2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul>	A3	(DCH for DTCH) DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>		Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	A1,A2,A3, A4,A5,A6	FDD  Not Present Not Present	
DL Transport channel information common for all transport channel	A1, A2, A5, A6	Not Present	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	A3,A4	Not Present FDD Explicit  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present	
Deleted DL TrCH information	A1, A2, A3, A4, A5,A6	Not Present	
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present	
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- Semi-static Transport Format information</li> </ul>	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5  Not Present DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0	
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A3	DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)  Not Present Reference to TS34.108 clause 6.10 Parameter Set  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0	
Preconfiguration	A1,A2,A3, A4,A5,A6	[FFS]	REL-5
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies	
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1,A2,A3, A4,A5,A6	33dBm	
CHOICE channel requirement <ul style="list-style-type: none"> <li>-Uplink DPCH power control info</li> <li>- DPCCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> </ul>	A1, A2, A3, A4	Uplink DPCH info  -80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set	REL-5 REL-5 REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE channel requirement	A5, A6	Not Present	
CHOICE Mode	A1,A2,A3, A4,A5,A6	FDD	
<ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>		Not Present	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6	Not Present	REL-5
Downlink information common for all radio links	A5, A6	Not Present	
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{\text{Pilot-DPCH}}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A1, A2, A3	Maintain Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Not Present	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{\text{Pilot-DPCH}}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	A4	Initialise Not Present  0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Present Arbitrary set to value 0..306688 by step of 512	
<ul style="list-style-type: none"> <li>- MAC-hs reset indicator</li> </ul>		Not Present	REL-5
Downlink information per radio link list <ul style="list-style-type: none"> <li>-Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> </ul>	A1, A2, A3	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li>   <li>- Secondary CPICH info</li> <li>- Secondary scrambling code</li> <li>- channelisation code</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		<p>Not Present FALSE</p> <p>Primary CPICH may be used</p> <p>Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present</p> <p>2 Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0 No change</p> <p>0 Not Present</p> <p>Not Present Not Present</p>	REL-5
<p>Downlink information per radio link list</p> <ul style="list-style-type: none"> <li>-Downlink information for each radio link <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul> </li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li>   <li>- Secondary CPICH info</li> <li>- Secondary scrambling code</li> <li>- channelisation code</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A4	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE</p> <p>Primary CPICH may be used</p> <p>Set to value : Default DPCH Offset Value mod 38400 Not Present</p> <p>2 Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0 No change</p> <p>0 Not Present Not Present Not Present</p>	REL-5
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH Information for FACH</li> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not present Not Present</p>	REL-5
<ul style="list-style-type: none"> <li><a href="#">- Downlink information for each radio link</a></li> <li><a href="#">- Choice mode</a></li> <li><a href="#">- Primary CPICH info</a></li> <li><a href="#">- Primary scrambling code</a></li>   <li><a href="#">- PDSCH with SHO DCH info</a></li> <li><a href="#">- PDSCH code mapping</a></li> <li><a href="#">- Downlink DPCH info for each RL</a></li> <li><a href="#">- SCCPCH Information for FACH</a></li> </ul>	<a href="#">A6</a>	<p><a href="#">FDD</a></p> <p><a href="#">Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</a> <a href="#">Not Present</a> <a href="#">Not Present</a> <a href="#">Not present</a> <a href="#">Not Present</a></p>	<a href="#">R99</a>
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	A6	Not Present	<a href="#">REL-4 on</a>

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

<<END OF MODIFIED SECTION>>

CR-Form-v7
<b>CHANGE REQUEST</b>
⌘ <b>34.108 CR 354</b> ⌘ rev <b>-</b> ⌘ Current version: <b>5.1.0</b> ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘	CR to 34.108: introduction of default RB SETUP message from cell_FACH state for HSDPA (revision of T1-041141)
<b>Source:</b>	⌘	Nortel Networks
<b>Work item code:</b>	⌘	TEI
		<b>Date:</b> ⌘ 15/07/2004
<b>Category:</b>	⌘	<b>F</b>
		Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .
		<b>Release:</b> ⌘ Rel-5 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘	1) For HSDPA, only RB setup from cell_DCH is defined 2) Minor inconsistencies with 25.331 tabular
<b>Summary of change:</b>	⌘	1) Default RB setup for "Packet to CELL_DCH / HS-DSCH from CELL_FACH in PS" is added to clause 9 2) Minor corrections to default RB setup for HSDPA  <b>Changes from T1-041141:</b> - REL-5 should be indicated for activation time IE for condition A10
<b>Consequences if not approved:</b>	⌘	1) No RB setup defined for transition from cell_FACH to cell_DCH / HS-DSCH. 2) Minor inconsistencies remain in default RB setup message for HSDPA

<b>Clauses affected:</b>	⌘	9								
<b>Other specs affected:</b>	⌘	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N		X		X		X
Y	N									
	X									
	X									
	X									
<b>Other comments:</b>	⌘									

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

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

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

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, A9, <a href="#">A10</a>		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 MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3, A9	(256+CFN-(CFN MOD 8 + 8))MOD 256	REL-5
Activation time	A4, A5, A6, A7, A8, <a href="#">A10</a>	Not Present	<a href="#">REL-5</a>
New U-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
New C-RNTI	A1, A2, A3, A4, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
New H-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	REL-5
New H-RNTI	A9, <a href="#">A10</a>	'1010 1010 1010 1010'	REL-5
RRC State indicator	A1, A2, A3, A4, A7, A8, A9, <a href="#">A10</a>	CELL_DCH	REL-5
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
CN information info		Not Present	
URA identity		Not Present	
<del>CHOICE specification mode</del>		<del>Complete specification</del>	<del>REL-5</del>
<del>-Complete specification</del>			<del>REL-5</del>
- Signalling RB information to setup		Not Present	
- RAB information for setup - RAB info - RAB identity	A1, A7	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity		CS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT314	
- RB information to setup			
- RB identity		10	
- PDCP info		Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> <li>- RB mapping info</li> <li>- Information for each multiplexing option <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> </ul> </li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity <ul style="list-style-type: none"> <li>- Logical channel identity</li> </ul> </li> <li>- CHOICE RLC size list <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>1</li> <li>Not Present</li> <li>Configured</li> <li>7</li> <li>1</li> <li>DCH</li> <li>6</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>- RAB information for setup <ul style="list-style-type: none"> <li>- RAB info</li> <li>- RAB identity</li> </ul> </li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup <ul style="list-style-type: none"> <li>- RB identity</li> </ul> </li> <li>- PDCP info</li> <li>- CHOICE RLC info type <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> </ul> </li> <li>- RB mapping info</li> <li>- Information for each multiplexing option <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> </ul> </li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity <ul style="list-style-type: none"> <li>- Logical channel identity</li> </ul> </li> <li>- CHOICE RLC size list <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> </ul> </li> <li>- CHOICE Downlink RLC mode <ul style="list-style-type: none"> <li>- Segmentation indication</li> </ul> </li> </ul> </li> <li>- RB mapping info</li> <li>- Information for each multiplexing option <ul style="list-style-type: none"> <li>- RLC logical channel mapping indicator</li> </ul> </li> </ul>	A2, A8	<ul style="list-style-type: none"> <li>0000 0001B</li> <li>The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.</li> <li>CS domain</li> <li>Not Present</li> <li>useT314</li> <li>10</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>6</li> <li>Not Present</li> <li>Not Present</li> <li>11</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> </ul>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- Segmentation indication</li> <li>- CHOICE Downlink RLC mode</li> <li>- Segmentation indication</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<ul style="list-style-type: none"> <li>1</li> <li>DCH</li> <li>2</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>7</li> <li>Not Present</li> <li>Not Present</li> <li>12</li> <li>Not Present</li> <li>RLC info</li> <li>TM RLC</li> <li>Not Present</li> <li>FALSE</li> <li>TM RLC</li> <li>FALSE</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>3</li> <li>Not Present</li> <li>Configured</li> <li>6</li> <li>1</li> <li>DCH</li> <li>8</li> <li>Not Present</li> <li>Not Present</li> </ul>	
<ul style="list-style-type: none"> <li>- RAB information for setup</li> <li>- RAB info</li> <li>- RAB identity</li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> </ul>	A3, A4, A5, A6	<ul style="list-style-type: none"> <li>(AM DTCH for PS domain)</li> <li>0000 0101B</li> <li>The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.</li> <li>PS domain</li> <li>Not Present</li> <li>useT315</li> <li>20</li> <li>FALSE</li> <li>Not present</li> <li>Absent</li> <li>Not present</li> <li>RLC info</li> <li>AM RLC</li> <li>No Discard</li> <li>15</li> <li>128</li> <li>500</li> <li>4</li> <li>200</li> <li>200</li> <li>Not Present</li> <li>1</li> </ul>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>		<p>TRUE TRUE 99 Not Present AM RLC TRUE 128</p> <p>200 Not Present TRUE Not Present</p> <p>2 RBMuxOptions Not Present 1 DCH 1 Not Present Configured 8</p> <p>1</p> <p>DCH 6 Not Present Not Present Not Present</p> <p>1 RACH Not Present 7 Explicit list Reference to TS34.108 clause 6 Parameter Set 8</p> <p>1</p> <p>FACH Not Present Not Present 7</p>	
<ul style="list-style-type: none"> <li>- RAB information for setup</li> <li>- RAB info</li> <li>- RAB identity</li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup</li> <li>- RB identity</li> <li>- PDCP info</li> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> </ul>	A9	<p>(high-speed AM DTCH for PS domain) 0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present useT315</p> <p>23</p> <p>FALSE Not present Absent Not present RLC info AM RLC</p> <p>No Discard 15 128 500</p>	REL-5

Information Element	Condition	Value/remark	Version
- Max_RST		4	
- Polling info			
- Timer_poll_prohibit		100	
- Timer_poll		100	
- Poll_PDU		Not Present	
- Poll_SDU		1	
- Last transmission PDU poll		TRUE	
- Last retransmission PDU poll		TRUE	
- Poll_Windows		99	
- Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		768	
- Downlink RLC status info			
- Timer_status_prohibit		100	
- Timer_EPC		Not Present	
- Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
- Information for each multiplexing option		3 RBMuxOptions	
- RLC logical channel mapping indicator		Not Present	
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels		1	
channels			
- Downlink transport channel type		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 RLC logical channels		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	
- RLC logical channel mapping indicator		Not Present	
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
- Logical channel identity		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to TS34.108 clause 6	
- MAC logical channel priority		Parameter Set	
- Downlink RLC logical channel info		8	
- Number of downlink RLC logical channels		1	
channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel identity		Not Present	
- DL DSCH Transport channel identity		Not Present	
- Logical channel identity		7	
- RAB information for setup	A10		REL-5

Information Element	Condition	Value/remark	Version
- 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 RAB identity.	
- CN domain identity		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		23	
- PDCP info			
- Support for lossless SRNS relocation		FALSE	
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard			
- CHOICE SDU discard mode		No Discard	
- MAX_DAT		15	
- Transmission window size		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info			
- Timer_poll_prohibit		100	
- Timer_poll		100	
- Poll_PDU		Not Present	
- Poll_SDU		1	
- Last transmission PDU poll		TRUE	
- Last retransmission PDU poll		TRUE	
- Poll_Windows		99	
- Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		768	
- Downlink RLC status info			
- Timer_status_prohibit		100	
- Timer_EPC		Not Present	
- Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
- Information for each multiplexing option		1 RBMuxOption	
- RLC logical channel mapping indicator		Not present	
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels		1	
- Downlink transport channel type		HS-DSCH	
- DL DCH Transport channel identity		Not present	
- DL DSCH Transport channel identity		Not present	

Information Element	Condition	Value/remark	Version
- DL HS-DSCH MAC-d flow identity - Logical channel identity		0 Not Present	
RB information to be affected	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
Downlink counter synchronisation info	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
UL Transport channel information for all transport channels	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set  Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 0 FDD Not Present Not Present	REL-5
<ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> <li> </li> <li>- CTFC information</li> <li> </li> <li>- CTFC</li> <li> </li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li> </li> <li>- Gain factor <math>\beta_c</math></li> <li> </li> <li>- Gain factor <math>\beta_d</math></li> <li> </li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P p-m</li> </ul>			
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	Not Present	REL-5
Added or Reconfigured UL TrCH information	A1, A3 A4, A5, A6, A7, A9, <a href="#">A10</a>	1 DCH added, 1 DCH reconfigured ( <a href="#">if from cell_DCH</a> ) OR 2 DCHs added ( <a href="#">if from cell_FACH</a> )  DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set	REL-5
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li> </li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul>			

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>		<p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.) Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> </ul>	A2, A8	<p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH)</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.) Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH</p> <p>1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>		<p>(This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH 2</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH 3</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
CHOICE <i>mode</i>	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	FDD	
- CPCH set ID		Not Present	REL-5

Information Element	Condition	Value/remark	Version
- Added or Reconfigured TrCH information for DRAC list		Not Present	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	A1, A2, A7, A8	Not Present FDD SameasUL	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	A3, A4, A5, A6, A9, <a href="#">A10</a>	Not Present FDD Explicit  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present	REL-5
Deleted DL TrCH information  Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>  A1	Not Present  1 DCH added, 1 DCH reconfigured DCH 6 Same as UL DCH 1  -2.0 DCH 10 Same as UL DCH 5  -2.0	REL-5
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> </ul>	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5  -2.0 DCH 6 Explicit  Dedicated transport channel  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		<p>Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul> <p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> </ul>	A2, A8	<p>-2.0</p> <p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 10 Same as UL DCH 5</p> <p>2.0 DCH 6 Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Not Present DCH 7 Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present Reference to TS34.108 clause 6.10 Parameter Set</p>	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		<p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Not Present</p> <p>DCH</p> <p>8</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Not Present</p>	
<p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul> </li> <li>- DCH quality target <ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul> </li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> </ul>	A9	<p>3 TrCHs (DCH for DCCH and DCH plus HS-DSCH for DTCH)</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>-2.0</p> <p>DCH</p> <p>6</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	REL-5

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <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 <ul style="list-style-type: none"> <li>- HARQ Info <ul style="list-style-type: none"> <li>- Number of Processes</li> <li>- CHOICE <i>Memory Partitioning</i></li> </ul> </li> <li>- Added or reconfigured MAC-d flow <ul style="list-style-type: none"> <li>- MAC-hs queue to add or reconfigure list <ul style="list-style-type: none"> <li>- MAC-hs queue Id</li> <li>- MAC-d Flow Identity</li> <li>- T1</li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info <ul style="list-style-type: none"> <li>- MAC-d PDU size</li> <li>- MAC-d PDU size index</li> </ul> </li> <li>- MAC-hs queue to delete list</li> </ul> </li> </ul> </li> <li>- DCH quality target</li> </ul> </li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set  -2.0 HS-DSCH Not Present HS-DSCH  6 Implicit  (one queue)  0 0 50 16  336 0 Not present Not present	
<a href="#">Added or Reconfigured DL TrCH information</a> <ul style="list-style-type: none"> <li>- <a href="#">Downlink transport channel type</a></li> <li>- <a href="#">DL Transport channel identity</a></li> <li>- <a href="#">CHOICE DL parameters</a> <ul style="list-style-type: none"> <li>- <a href="#">Uplink transport channel type</a></li> <li>- <a href="#">UL TrCH identity</a></li> </ul> </li> <li>- <a href="#">DCH quality target</a></li> <li>- <a href="#">BLER Quality value</a></li> <li>- <a href="#">Downlink transport channel type</a></li> <li>- <a href="#">DL Transport channel identity</a></li> <li>- <a href="#">CHOICE DL parameters</a> <ul style="list-style-type: none"> <li>- <a href="#">HARQ Info</a> <ul style="list-style-type: none"> <li>- <a href="#">Number of Processes</a></li> <li>- <a href="#">CHOICE <i>Memory Partitioning</i></a></li> </ul> </li> <li>- <a href="#">Added or reconfigured MAC-d flow</a> <ul style="list-style-type: none"> <li>- <a href="#">MAC-hs queue to add or reconfigure list</a> <ul style="list-style-type: none"> <li>- <a href="#">MAC-hs queue Id</a></li> <li>- <a href="#">MAC-d Flow Identity</a></li> <li>- <a href="#">T1</a></li> <li>- <a href="#">MAC-hs window size</a></li> <li>- <a href="#">MAC-d PDU size Info</a> <ul style="list-style-type: none"> <li>- <a href="#">MAC-d PDU size</a></li> <li>- <a href="#">MAC-d PDU size index</a></li> </ul> </li> <li>- <a href="#">MAC-hs queue to delete list</a></li> </ul> </li> </ul> </li> <li>- <a href="#">DCH quality target</a></li> </ul> </li> </ul>	<a href="#">A10</a>	<a href="#">2 TrCHs (DCH for DCCH and HS-DSCH for DTCH)</a> <a href="#">DCH</a> <a href="#">10</a> <a href="#">Same as UL</a> <a href="#">DCH</a> <a href="#">5</a>  <a href="#">-2.0</a> <a href="#">HS-DSCH</a> <a href="#">Not Present</a> <a href="#">HS-DSCH</a>  <a href="#">6</a> <a href="#">Implicit</a>  <a href="#">(one queue)</a>  <a href="#">0</a> <a href="#">0</a> <a href="#">50</a> <a href="#">16</a>  <a href="#">336</a> <a href="#">0</a> <a href="#">Not present</a> <a href="#">Not present</a>	<a href="#">REL-5</a>
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1, A2, A3, A4, A5, A7, A8, A9, <a href="#">A10</a>	Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.	REL-5

Information Element	Condition	Value/remark	Version
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1, A2, A3, A4, A7, A8, A9, <a href="#">A10</a>	33dBm	REL-5
Maximum allowed UL TX power	A5, A6	Not Present	
CHOICE channel requirement	A1, A2, A3, A4, A7, A8	Uplink DPCH info	REL-5
- Uplink DPCH power control info		-80dB (i.e. ASN.1 IE value of -40)	REL-5
- DPCCH power offset		1 frame	REL-5
- PC Preamble		7 frames	REL-5
- SRB delay		Algorithm1	
- Power Control Algorithm		1dB	
- TPC step size		Not Present	
- <input type="checkbox"/> <sub>NACK</sub>		Not Present	
- <input type="checkbox"/> <sub>NACK</sub>		Not Present	
- Ack-Nack repetition factor		Not Present	
- 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	
- TFCI existence		Parameter Set	
- Number of FBI bit		Reference to TS34.108 clause 6.10	
- Puncturing Limit		Parameter Set	
CHOICE channel requirement	<a href="#">A9, A10</a>	Uplink DPCH info	REL-5
- Uplink DPCH power control info			
- DPCCH power offset		-6dB	
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
- TPC step size		1dB	
- $\Delta_{ACK}$		3	
- $\Delta_{NACK}$		3	
- Ack-Nack repetition factor		1	
- 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	
- TFCI existence		Parameter Set	
- Number of FBI bit		Reference to TS34.108 clause 6.10	
- Puncturing Limit		Parameter Set	
CHOICE channel requirement	A5,A6	Not Present	
CHOICE Mode	A1, A2, A3, A4, A5, A6, A7, A8, A9, <a href="#">A10</a>	FDD	REL-5
- Downlink PDSCH information		Not Present	
Downlink information common for all radio links	A1, A2, A3		
- Downlink DPCH info common for all RL		Maintain	
- Timing indicator		Not Present	
- CFN-targetSFN frame offset			
- Downlink DPCH power control information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset $P_{Pilot-DPCH}$		0	
- DL rate matching restriction information		Not Present	

Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present	
Downlink information common for all radio links	A9		REL-5
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>Pilot-DPCH</sub></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> <li>- MAC-hs reset indicator</li> </ul>		Maintain Not Present 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present TRUE	
Downlink information common for all radio links	A4,A7,A8		
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>Pilot-DPCH</sub></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>		Initialise Not Present 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512	
<a href="#">Downlink information common for all radio links</a> <a href="#">- Downlink DPCH info common for all RL</a> <a href="#">- Timing indicator</a> <a href="#">- CFN-targetSFN frame offset</a> <a href="#">- Downlink DPCH power control</a>	<a href="#">A10</a>	<a href="#">Initialise</a> <a href="#">Not Present</a>	<a href="#">REL-5</a>

Information Element	Condition	Value/remark	Version
<a href="#">information</a> <a href="#">- DPC mode</a> <a href="#">- CHOICE mode</a> <a href="#">- Power offset PPilot-DPDCCH</a> <a href="#">- DL rate matching restriction information</a> <a href="#">- Spreading factor</a>  <a href="#">- Fixed or Flexible Position</a>  <a href="#">- TFCI existence</a>  <a href="#">- CHOICE SF</a>  <a href="#">- CHOICE mode</a> <a href="#">- DPCH compressed mode info</a> <a href="#">- TX Diversity mode</a> <a href="#">- SSDT information</a> <a href="#">- Default DPCH Offset Value</a>  <a href="#">- MAC-hs reset indicator</a>		<a href="#">0 (single)</a> <a href="#">FDD</a> <a href="#">0</a> <a href="#">Not Present</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">FDD</a> <a href="#">Not Present</a> <a href="#">None</a> <a href="#">Not Present</a> <a href="#">Arbitrary set to value 0..306688 by step of 512</a> <a href="#">TRUE</a>	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	REL-5
Downlink HS-PDSCH Information - HS-SCCH Info - CHOICE mode - DL Scrambling Code - HS-SCCH Channelisation Code Information - HS-SCCH Channelisation Code - Measurement Feedback Info - CHOICE mode - POhsdsch - CQI Feedback cycle, k - CQI repetition factor - $\Delta_{CQI}$  - CHOICE mode	A9, <a href="#">A10</a>	FDD <a href="#">Not present</a>  1  FDD 6 dB 4 ms 1 5 (corresponds to 0dB in relative power offset) FDD (no data)	REL-5
Downlink information common for all radio links	A5,A6	Not Present	
Downlink information for each radio link list  - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Serving HS-DSCH radio link indicator - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor  - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH	A1, A2, A3, A4, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  1 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
Downlink information for each radio link list - Downlink information for each radio link	A5		



Information Element	Condition	Value/remark	Version
<ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH information for FACH</li> </ul>		FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present FALSE Not present Not Present	REL-5
Downlink information for each radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link               <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul> </li>   <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li>   <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	A9, <a href="#">A10</a>	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present TRUE  Primary CPICH may be used  Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  <del>4</del> Not present Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present	REL-5
Downlink information for each radio link list	A6	Not Present	

Condition	Explanation	Version
A1	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"	
A2	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"	
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"	
A7	This IE need for "Non speech to CELL_DCH from CELL_FACH in CS"	
A8	This IE need for "Speech to CELL_DCH from CELL_FACH in CS"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH from CELL_DCH in PS"	REL-5
<a href="#">A10</a>	<a href="#">This IE is needed for "Packet to CELL_DCH / HS-DSCH from CELL_FACH in PS"</a>	<a href="#">REL-5</a>

**3GPP TSG-T1 Meeting #24**  
**Toronto, Canada, 26<sup>th</sup> - 30<sup>th</sup> July 2004**

**Tdoc # T1-041317**

<small>CR-Form-v7</small>
<h2 style="margin: 0;">CHANGE REQUEST</h2>
# <span style="background-color: yellow; padding: 2px 10px;">34.108</span> <b>CR</b> <span style="background-color: yellow; padding: 2px 10px;">355</span> # <b>rev</b> - # Current version: <span style="background-color: yellow; padding: 2px 10px;">5.1.0</span> #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# <span style="background-color: yellow; padding: 2px 10px;">Corrections to Contents of RADIO BEARER SETUP message: BTFD RMC</span>		
<b>Source:</b>	# <span style="background-color: yellow; padding: 2px 10px;">NEC, Anritsu</span>		
<b>Work item code:</b>	# <span style="background-color: yellow; padding: 2px 10px;">TEI</span> <span style="float: right;"><b>Date:</b> # <span style="background-color: yellow; padding: 2px 10px;">27/07/2004</span></span>		
<b>Category:</b>	# <span style="background-color: yellow; padding: 2px 10px;">F</span> <span style="float: right;"><b>Release:</b> # <span style="background-color: yellow; padding: 2px 10px;">Rel-5</span></span>		
	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;">                     Use <u>one</u> of the following categories:  <b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)                      Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.                 </td> <td style="width: 50%; vertical-align: top;">                     Use <u>one</u> of the following releases:                      2 (GSM Phase 2)                      R96 (Release 1996)                      R97 (Release 1997)                      R98 (Release 1998)                      R99 (Release 1999)                      Rel-4 (Release 4)                      Rel-5 (Release 5)                      Rel-6 (Release 6)                 </td> </tr> </table>	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		

<b>Reason for change:</b>	# 1. Changes in the BTFD TFCS need to aligned between 34.121 and 34.108. 2. DPCCH/DPDCH power ratio : -2.69(6.5k - 2.55k) is specified in TS34.121 Table C.4.1.1 , but gainFactorInformation corresponding to the value is not specified in UL Transport channel information for all transport channels. 3. DPCCH power offset is "0" in Maximum allowed UL TX power , but DPCCH Power offset is specified "Integer(-164,..-6 by step of 2)" in TS25.331 10.3.6.91 Uplink DPCH power control info. 4. The RB Setup message for BTFD is not aligned with the other RB Setup messages in section 9.2.1.
<b>Summary of change:</b>	# 1. Remove 1x0 TF for DTCH and ctfc6: 18 and 19 according to TS 34.121 Table C.4.2.3. Add ctfc6:0. The DL TFCS shall contain 18 combinations. 2. gainFactorInformation is changed from ComputedGainFactors to SignalledGainFactors. modeSpecificInfo:Fdd , Gain factor βc:11 , and Gain factor βd:15 ( 20 x Log(βc/βd) = -2.69 ) have been added to UL Transport channel information for all transport channels. Reference TFC ID is changed from 0 to 1. 3. DPCCH power offset is changed from 0 to -6. 4. Editorial formatting corrections and alignment with other RB Setup messages.
<b>Consequences if not approved:</b>	# 1. RB Setup message is not consistent with the Transport Format Combinations defined in the TS 34.121 Annex C.4.2 for downlink.

- 2. DPCCH/DPDCH power ratio : -2.69(6.5k - 2.55k) can not be set in TS34.121 Table C.4.1.1.
- 3. 25.331 and 34.108 are inconsistent.
- 4. Different RB Setup messages in section 9.2.1 are not aligned.

**Clauses affected:** ⌘ 9.2.1

<b>Other specs affected:</b>	⌘	Y	N	Other core specifications	⌘	TS 34.121 section C.4.2
		X	X			
		X				
		X		O&M Specifications		

**Other comments:** ⌘ This CR is applicable for UE's supporting Rel-99 or later.

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

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

Below is a brief summary:

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

## 9.2 Default Message Contents for RF

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

### 9.2.1 Default Message Contents for RF (FDD)

{Unchanged Sections are skipped here}

Contents of RADIO BEARER SETUP message: BTFD RMC

Information Element	Value/remark	Version
Message Type		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	The presence of this IE is dependent on IXT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.	
- Ciphering mode command	Start/restart	
- Ciphering algorithm	Use one of the supported ciphering algorithms	
- Ciphering activation time for DPCH	Set by operator	
- Radio bearer downlink ciphering activation time info	Not Present	
Activation time	Set by operator	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	Not Present	
- RAB information for setup		
- RAB info		
- RAB identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup		
- RB identity	10	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	
- DL DSCH Transport channel identity	Not Present	

Information Element	Value/remark	Version
- Logical channel identity	Not Present	
RB information to be affected	Not Present	
Downlink counter synchronisation info	Not Present	
	RMC for BTFD	
UL Transport channel information for all transport channels		
- PRACH TFCS	Not Present	
- CHOICE mode	FDD	
- TFC subset	Not Present	
- UL DCH TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information		
- CHOICE CTFC Size	ctfc6Bit	
- ctfc6Bit	22	
- ctfc6	0	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	11	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	1	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	12	
-powerOffsetInformation(OP)		
-gainFactorInformation	SignalledGainFactors	
-modeSpecificInfo	Fdd	
-fdd		
- Gain factor βc	8	
- Gain factor βd	15	
- Reference TFC ID	0	
- ctfc6	2	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	13	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	3	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	14	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	4	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	15	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	5	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	16	

Information Element	Value/remark	Version
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	6	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	17	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors SignalledGainFactors	
-modeSpecificInfo	Fdd	
-fdd		
- Gain factor βc	11	
- Gain factor βd	15	
- Reference TFC ID	01	
- ctfc6	7	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	18	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	8	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	19	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	9	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	20	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	10	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
- ctfc6	21	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	01	
Added or Reconfigured UL TrCH information list	1	
- Added or Reconfigured UL TrCH information- <del>ul</del> AddReconfTransChInfoList	4	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info		
RLC size	256	
-numberOfTbSizeList		
-NumberOfTransportBlocks	Zero	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	216	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	

Information Element	Value/remark	Version
<a href="#">- Choice Logical Channel List</a>	<a href="#">ALL</a>	
RLC size	171	
<del>-Choice Logical Channel List</del>	<del>ALL</del>	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	160	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	146	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> One	
- Choice Logical Channel List	ALL	
RLC size	130	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> One	
- Choice Logical Channel List	ALL	
RLC size	115	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> One	
- Choice Logical Channel List	ALL	
RLC size	107	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> One	
- Choice Logical Channel List	ALL	
RLC size	51	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> One	
- Choice Logical Channel List	ALL	
RLC size	12	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> One	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
- CRC size	0	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Explicit	
- DL DCH TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information		
- CHOICE CTFC Size	Ctfc6Bit	
- ctfc6Bit	<del>18</del> 29	
- ctfc6	9	
- ctfc6	<del>19</del> 0	
- ctfc6	10	
- ctfc6	1	
- ctfc6	11	
- ctfc6	2	
- ctfc6	12	
- ctfc6	3	
- ctfc6	13	
- ctfc6	4	



Information Element	Value/remark	Version
- ctfc6	14	
- ctfc6	5	
- ctfc6	15	
- ctfc6	6	
- ctfc6	16	
- ctfc6	7	
- ctfc6	17	
- ctfc6	8	
<del>-ctfc6</del>	<del>18</del>	
Deleted DL TrCH information	Not Present	
Added or Reconfigured DL TrCH information <a href="#">list</a>	<a href="#">1</a>	
<del>- Added or Reconfigured DL TrCH information-dl- AddReconfTransChInfoList(OP)</del>	<del>4</del>	
- Downlink transport channel type	DCH	
- DL Transport channel identity	6	
- CHOICE DL parameters	Explicit	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info		
RLC size	244	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	204	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
<a href="#">- Choice Logical Channel List</a>	<a href="#">ALL</a>	
RLC size	159	
<del>-Choice Logical Channel List</del>	<del>ALL</del>	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	148	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	134	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> <a href="#">One</a>	
- Choice Logical Channel List	ALL	
RLC size	118	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> <a href="#">One</a>	
- Choice Logical Channel List	ALL	
RLC size	103	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> <a href="#">One</a>	
- Choice Logical Channel List	ALL	
RLC size	95	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> <a href="#">One</a>	
- Choice Logical Channel List	ALL	
RLC size	39	
-numberOfTbSizeList		
-NumberOfTransportBlocks	<del>one</del> <a href="#">One</a>	
- Choice Logical Channel List	ALL	
<del>RLC size</del>	<del>0</del>	
<del>-numberOfTbSizeList</del>		
<del>-NumberOfTransportBlocks</del>	<del>one</del>	
<del>-Choice Logical Channel List</del>	<del>ALL</del>	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	

Information Element	Value/remark	Version
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
- CRC size	12	
- DCH quality target		
- BLER Quality value	-2.0	
- Transparent mode signalling info	Not Present	
Frequency info	Not Present	
Maximum allowed UL TX power	33 dBm	
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- DPCCH power offset	-6 <del>0</del>	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- $\Delta_{ACK}$	Not Present	REL-5
- $\Delta_{NACK}$	Not Present	REL-5
- Ack-Nack repetition factor	Not Present	REL-5
- Scrambling code type	Long	
- Scrambling code number	0	
- Number of DPDCH	1	
- spreading factor	64	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
CHOICE Mode	FDD	
- Downlink PDSCH information	Not Present(0)	
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		
- Downlink DPCH info common for all RL	FDD	
- Timing indicator	Maintain	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- DPC mode	0 (single)	
- CHOICE mode	FDD	
- Power offset $P_{Pilot-DPCH}$	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	128	
- Number of bits for Pilot bits(SF=128,256)	4	
- Fixed or Flexible Position	Fixed	
- TFCI existence	FALSE	
- DPCH compressed mode info	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Not Present	
Downlink information for each radio link list		
- Primary CPICH info	Not Present	
- Primary scrambling code	100	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	128	
- Code number	96	
- Scrambling code change	No change	
- TPC combination index	0	
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	

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<b>Information Element</b>	<b>Value/remark</b>	<b>Version</b>
- SCCPCH information for FACH	Not Present	

3GPP TSG-T1 Meeting #24

Tdoc # T1-041327

Toronto, Canada, 26 - 30 July 2004

CR-Form-v7
<b>CHANGE REQUEST</b>
# <b>34.108 CR 340</b> # rev - # Current version: <b>5.1.0</b> #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	# Resolution of downlink code conflict between OCNS DPCH and S-CCPCH		
<b>Source:</b>	# NEC		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 27/07/2004
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)	<b>2</b> (GSM Phase 2)	
	<b>A</b> (corresponds to a correction in an earlier release)	<b>R96</b> (Release 1996)	
	<b>B</b> (addition of feature),	<b>R97</b> (Release 1997)	
	<b>C</b> (functional modification of feature)	<b>R98</b> (Release 1998)	
	<b>D</b> (editorial modification)	<b>R99</b> (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<b>Rel-4</b> (Release 4)
			<b>Rel-5</b> (Release 5)
			<b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	# Resolution of downlink code conflict between OCNS DPCH and S-CCPCH for RF testing.
<b>Summary of change:</b>	# The S-CCPCH is moved from code 1 to code 2.
<b>Consequences if not approved:</b>	# Downlink code collision can fail good UE.

<b>Clauses affected:</b>	# 7.3.2, 7.3.3, 7.3.4						
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications	Y	N	#	X	#	TS 34.121
Y	N						
#	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">X</td> <td style="width: 20px; text-align: center;">#</td> </tr> </table> Test specifications	X	#				
X	#						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">X</td> </tr> </table> O&M Specifications	#	X				
#	X						
<b>Other comments:</b>	# This CR is applicable for UE's supporting R'99 or later.						

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

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

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

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

## 7.3 Test procedures for RF test

### 7.3.1 UE Test States for RF testing

In this clause, the states of the UE for the test are defined.

		<b>RRC</b>	<b>CC</b>	<b>MM</b>	<b>SM</b>	<b>GMM</b>
State1	Power OFF	-----	null	detached	inactive	detached
State2	CS Registered Idle Mode	idle	null	idle	inactive	detached
State3	PS Registered Idle Mode	idle	null	detached	inactive	idle
State4	Test Mode	connected	null	detached	inactive	detached

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

#### 7.3.2.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall initially be operated under 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

#### 7.3.2.2 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

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

Contents of System Information Block type 5 (FDD)

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

### 7.3.2.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	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)
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)
16	-->		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback entities for the radio bearer(s) have been created and loop back is activated)
17	<--		OPEN UE TEST LOOP	TC
18	-->		OPEN UE TEST LOOP COMPLETE	TC
19	<--		RRC CONNECTION RELEASE	RRC
20	-->		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)
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)
16	-->		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback entities for the radio bearer(s) have been created and loop back is activated)
17	<--		OPEN UE TEST LOOP	TC
18	-->		OPEN UE TEST LOOP COMPLETE	TC
19	<--		RRC CONNECTION RELEASE	RRC
20	-->		RRC CONNECTION RELEASE COMPLETE	RRC

### 7.3.2.4 Specific message contents

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



### 7.3.2.4.1 ATTACH ACCEPT

This message is sent from the SS to the UE, used for the UE supporting PS only.

Contents of Attach Accept message: GMM

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

### 7.3.2.4.2 Reference measurement channels

The configurations of the reference measurement channels for RF tests are described in TS 34.121 [2] Annex C for FDD and TS 34.122 [5] Annex C for TDD.

### 7.3.2.4.3 UE test loop mode

The messages in this sub-clause are sent from the SS to the UE, determining the UE test loop mode for the RF tests.

UE test loop mode 1 without DCCH dummy transmission

Default. See clause 9.2.

UE test loop mode 1 with DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

Information Element	Value/remark
UE test loop mode	UE test loop mode 1 DCCH dummy transmission set to "enabled". 00000100B

UE test loop mode 2 without DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

Information Element	Value/remark
UE test loop mode	UE test loop mode 2 DCCH dummy transmission set to "disabled". 00000001B

### 7.3.2.4.4 Compressed mode

[T.B.D.]

### 7.3.2.4.5 Transmit diversity mode

[T.B.D.]

### 7.3.3 Test procedure for Rx Spurious Emission

#### 7.3.3.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

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

#### 7.3.3.2 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
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

Contents of System Information Block type 5 (FDD)

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

### 7.3.3.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	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_FACH"
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_FACH"
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		RRC CONNECTION RELEASE	RRC
16	-->		RRC CONNECTION RELEASE COMPLETE	RRC

### 7.3.3.4 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	'1010 1010 1010 1010'
RRC State indicator	CELL_FACH

Contents of Attach Accept message: GMM

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

### 7.3.4 Test procedure for Handover

#### 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.

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

Contents of System Information Block type 5 (FDD)

<u>Information Element</u>	<u>Value/remark</u>
- <u>Secondary CCPCH system information</u>	
- <u>Secondary CCPCH info</u>	
- <u>CHOICE mode</u>	FDD
- <u>Secondary scrambling code</u>	Not Present
- <u>STTD indicator</u>	FALSE
- <u>Spreading factor</u>	64
- <u>Code number</u>	2
- <u>Pilot symbol existence</u>	FALSE
- <u>TFCl existence</u>	TRUE (default value)
- <u>Fixed or Flexible position</u>	Flexible (default value)
- <u>Timing offset</u>	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	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	'1010 1010 1010 1010'
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 #24**  
**Toronto, Canada, 26<sup>th</sup> - 30<sup>th</sup> July 2004**

**Tdoc # T1-041346**

CR-Form-v7
<b>CHANGE REQUEST</b>
# <b>34.108 CR 361</b> # rev - # Current version: <b>5.1.0</b> #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Correction to test procedure for test cases using Cell_PCH or URA_PCH state		
<b>Source:</b>	# NEC		
<b>Work item code:</b>	# TEI <span style="float: right;"><b>Date:</b> # 28/07/2004</span>		
<b>Category:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;">                             # <b>F</b>                              Use <u>one</u> of the following categories:  <b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)                              Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.                         </td> <td style="width: 50%; vertical-align: top;"> <b>Release:</b> # Rel-5                              Use <u>one</u> of the following releases:                              2 (GSM Phase 2)                              R96 (Release 1996)                              R97 (Release 1997)                              R98 (Release 1998)                              R99 (Release 1999)                              Rel-4 (Release 4)                              Rel-5 (Release 5)                              Rel-6 (Release 6)                         </td> </tr> </table>	# <b>F</b> Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	<b>Release:</b> # Rel-5 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
# <b>F</b> Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	<b>Release:</b> # Rel-5 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		

<b>Reason for change:</b>	# The current section 7.3.3 describes the test procedure for the RX spurious emissions test case using Cell_FACH. Several other test cases using Cell_PCH or URA_PCH refer to the same test procedure, but are not handled appropriately in section 7.3.3. The PHYSICAL CHANNEL RECONFIGURATION message is used in the signalling test cases for the transition to Cell_PCH or URA_PCH. This test procedure is only applicable for terminals supporting PS. The test cases affected by this change are: 1. Demodulation of Paging Channel (7.11) 2. Cell Reselection in Cell_PCH, one frequency (8.3.6.1) 3. Cell Reselection in Cell_PCH, two frequencies (8.3.6.2) 4. Cell Reselection in URA_PCH, one frequency (8.3.7.1) 5. Cell Reselection in URA_PCH, two frequencies (8.3.7.2)  Also the test procedure for the RX spurious emissions test case will be changed which will make the test procedure inappropriate for the other test cases.
<b>Summary of change:</b>	# Correction to test procedure for test cases using Cell_PCH or URA_PCH state: - Change title to reflect applicability for Cell_PCH or URA_PCH UE states. - Reflect different UE states in the test procedure. - Use PHYSICAL CHANNEL RECONFIGURATION message instead of RB Setup message for the transition to Cell_PCH or URA_PCH. - Remove the procedure for UE supporting CS and change the applicability for the "PS only" procedure to apply for UE supporting PS. - The behaviour of the SS related to the transition to Cell_PCH or URA_PCH as described in T1-041211 is included. The test cases using Cell_FACH will be handled in a different section.
<b>Consequences if</b>	# Several test cases will not work correctly.

<b>not approved:</b>										
<b>Clauses affected:</b>	⌘ 7.3.3									
<b>Other specs affected:</b>	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Y	N		X		X		X	Other core specifications ⌘ Test specifications O&M Specifications
	Y	N								
		X								
	X									
	X									
<b>Other comments:</b>	⌘ This CR is applicable for UE's supporting Rel-99 or later.									

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

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

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



### 7.3.3 Test procedure for ~~Rx Spurious Emission~~ test cases using Cell\_PCH or URA\_PCH state

#### 7.3.3.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

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

#### 7.3.3.2 Definition of system information messages

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

Contents of System information block type 1: RRC

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

### 7.3.3.3 Procedure

For UE supporting CS

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

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 <del>- RRC state indicator is set to "CELL_FACH"</del>
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		<del>PHYSICAL CHANNEL RECONFIGURATION RRC-CONNECTION RELEASE</del>	RRC - RRC state indicator is set to "Cell_PCH" or "URA_PCH" depending on the test case
16	-->		<del>PHYSICAL CHANNEL RECONFIGURATION COMPLETE RRC-CONNECTION RELEASE COMPLETE</del>	RRC The UE sends this message before it completes state transition.
17			Void	SS sends the L2 ack on the PHYSICAL CHANNEL RECONFIGURATION COMPLETE message. Note: The SS should continue to keep the dedicated channel configuration during the time when the L2 ack is sent to the UE.

### 7.3.3.4 Specific message contents

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

The RADIO BEARER SETUP message is defined in section 9.2.1 "Contents of RADIO BEARER SETUP message: AM or UM (UE supports PS RAB only)".

The PHYSICAL CHANNEL RECONFIGURATION message is defined in 9.1.1 "Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM" using condition A8 for URA\_PCH and condition A10 for Cell\_PCH.

~~Contents of RADIO BEARER SETUP message: RRC-~~

Information Element	Value/remark
New-C-RNTI	'1010-1010-1010-1010'
RRC State indicator	CELL_FACH

Contents of Attach Accept message: GMM

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

3GPP TSG-T1 Meeting #24

Tdoc # T1-041350

Toronto, Canada, 26 - 30 July 2004

CR-Form-v7

# CHANGE REQUEST

⌘ 34.108 CR 362 ⌘ rev - ⌘ Current version: 5.1.0 ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps  ME  Radio Access Network  Core Network

**Title:** ⌘ Removal of DCCH dummy transmission for RF testing

**Source:** ⌘ NEC

**Work item code:** ⌘ TEI **Date:** ⌘ 27/07/2004

**Category:** ⌘ **F** **Release:** ⌘ Rel-5

Use one of the following categories:

<b>F</b> (correction)	2 (GSM Phase 2)
<b>A</b> (corresponds to a correction in an earlier release)	R96 (Release 1996)
<b>B</b> (addition of feature),	R97 (Release 1997)
<b>C</b> (functional modification of feature)	R98 (Release 1998)
<b>D</b> (editorial modification)	R99 (Release 1999)

Detailed explanations of the above categories can be found in 3GPP [TR 21.900](#).

Use one of the following releases:

Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

**Reason for change:** ⌘ DCCH dummy transmission has been disabled in TS 34.109, but still remains in the generic call setup. The CLOSE UE TEST LOOP messages are already defined in section 9.2.

**Summary of change:** ⌘ Remove DCCH dummy transmission for RF testing from the generic call setup.

**Consequences if not approved:** ⌘ Messages which shall not be used remain in the generic call setup section.

**Clauses affected:** ⌘ 7.3.2.

	Y	N	
<b>Other specs affected:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test specifications
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	O&M Specifications

**Other comments:** ⌘ This CR is applicable for UE's supporting R'99 or later.

### How to create CRs using this form:

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

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

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

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

## 7.3 Test procedures for RF test

### 7.3.1 UE Test States for RF testing

In this clause, the states of the UE for the test are defined.

		<b>RRC</b>	<b>CC</b>	<b>MM</b>	<b>SM</b>	<b>GMM</b>
State1	Power OFF	-----	null	detached	inactive	detached
State2	CS Registered Idle Mode	idle	null	idle	inactive	detached
State3	PS Registered Idle Mode	idle	null	detached	inactive	idle
State4	Test Mode	connected	null	detached	inactive	detached

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

#### 7.3.2.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall initially be operated under 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

#### 7.3.2.2 Definition of system information messages

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

Contents of System information block type 1: RRC

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

### 7.3.2.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	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)
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)
16	-->		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback entities for the radio bearer(s) have been created and loop back is activated)
17	<--		OPEN UE TEST LOOP	TC
18	-->		OPEN UE TEST LOOP COMPLETE	TC
19	<--		RRC CONNECTION RELEASE	RRC
20	-->		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)
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)
16	-->		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback entities for the radio bearer(s) have been created and loop back is activated)
17	<--		OPEN UE TEST LOOP	TC
18	-->		OPEN UE TEST LOOP COMPLETE	TC
19	<--		RRC CONNECTION RELEASE	RRC
20	-->		RRC CONNECTION RELEASE COMPLETE	RRC

### 7.3.2.4 Specific message contents

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

### 7.3.2.4.1 ATTACH ACCEPT

This message is sent from the SS to the UE, used for the UE supporting PS only.

Contents of Attach Accept message: GMM

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

### 7.3.2.4.2 Reference measurement channels

The configurations of the reference measurement channels for RF tests are described in TS 34.121 [2] Annex C for FDD and TS 34.122 [5] Annex C for TDD.

### 7.3.2.4.3 ~~UE test loop mode~~ Void

~~The messages in this sub-clause are sent from the SS to the UE, determining the UE test loop mode for the RF tests.~~

~~UE test loop mode 1 without DCCH dummy transmission~~

~~Default. See clause 9.2.~~

~~UE test loop mode 1 with DCCH dummy transmission~~

~~Contents of CLOSE UE TEST LOOP: TC~~

Information Element	Value/remark
<del>UE test loop mode</del>	<del>UE test loop mode 1 DCCH dummy transmission set to "enabled". 00000100B</del>

~~UE test loop mode 2 without DCCH dummy transmission~~

~~Contents of CLOSE UE TEST LOOP: TC~~

Information Element	Value/remark
<del>UE test loop mode</del>	<del>UE test loop mode 2 DCCH dummy transmission set to "disabled". 00000001B</del>

### 7.3.2.4.4 Compressed mode

[T.B.D.]

### 7.3.2.4.5 Transmit diversity mode

[T.B.D.]



**3GPP TSG-T1 Meeting #24**  
**Toronto, Canada, 26<sup>th</sup> - 30<sup>th</sup> July 2004**

**Tdoc # T1-041354**

CR-Form-v7
<b>CHANGE REQUEST</b>
# <b>34.108 CR 341</b> # rev - # Current version: <b>5.1.0</b> #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Correct title to test procedure for test cases using Cell_PCH or URA_PCH state
<b>Source:</b>	# NEC
<b>Work item code:</b>	# TEI <span style="float: right;"><b>Date:</b> # 28/07/2004</span>
<b>Category:</b>	# <b>F</b> <span style="float: right;"><b>Release:</b> # Rel-5</span> Use <u>one</u> of the following categories: <span style="float: right;">Use <u>one</u> of the following releases:</span> F (correction) <span style="float: right;">2 (GSM Phase 2)</span> A (corresponds to a correction in an earlier release) <span style="float: right;">R96 (Release 1996)</span> B (addition of feature), <span style="float: right;">R97 (Release 1997)</span> C (functional modification of feature) <span style="float: right;">R98 (Release 1998)</span> D (editorial modification) <span style="float: right;">R99 (Release 1999)</span> Detailed explanations of the above categories can <span style="float: right;">Rel-4 (Release 4)</span> be found in 3GPP <a href="#">TR 21.900</a> . <span style="float: right;">Rel-5 (Release 5)</span> <span style="float: right;">Rel-6 (Release 6)</span>

<b>Reason for change:</b>	# The current section 7.3.3 describes the test procedure for the RX spurious emissions test case using Cell_FACH. Several other test cases using Cell_PCH or URA_PCH refer to the same test procedure. So the title of section 7.3.3 needs to be changed. The test cases using Cell_FACH will be handled in section 7.3.5 (see T1-041351). The test cases using Cell_PCH or URA_PCH are: 1. Demodulation of Paging Channel (7.11) 2. Cell Reselection in Cell_PCH, one frequency (8.3.6.1) 3. Cell Reselection in Cell_PCH, two frequencies (8.3.6.2) 4. Cell Reselection in URA_PCH, one frequency (8.3.7.1) 5. Cell Reselection in URA_PCH, two frequencies (8.3.7.2)
<b>Summary of change:</b>	# Change the section title from "Test procedure for Rx Spurious Emission" to "Test procedure for test cases using Cell_PCH or URA_PCH state".
<b>Consequences if not approved:</b>	# Wrong and misleading section title.

<b>Clauses affected:</b>	# 7.3.3										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications # <span style="background-color: yellow; display: inline-block; width: 100px; height: 15px;"></span> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<b>Other comments:</b>	# This CR is applicable for UE's supporting Rel-99 or later. This CR is linked to T1-041351.										

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

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

Below is a brief summary:

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

### 7.3.3 Test procedure for ~~Rx Spurious Emission~~ test cases using Cell\_PCH or URA\_PCH state

#### 7.3.3.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

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

#### 7.3.3.2 Definition of system information messages

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

Contents of System information block type 1: RRC

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

### 7.3.3.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	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
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_FACH"
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<--		RRC CONNECTION RELEASE	RRC
16	-->		RRC CONNECTION RELEASE COMPLETE	RRC

### 7.3.3.4 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	'1010 1010 1010 1010'
RRC State indicator	CELL_FACH

Error! No text of specified style in document.

5

Error! No text of specified style in document.

Contents of Attach Accept message: GMM

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

**3GPP TSG-T1 Meeting #24**  
**Toronto, Canada, 26<sup>th</sup> - 30<sup>th</sup> July 2004**

**Tdoc # T1-041356**

<small>CR-Form-v7</small>
<h2 style="margin: 0;">CHANGE REQUEST</h2>
⌘ <b>34.108 CR 363</b> ⌘ rev - ⌘ Current version: <b>5.1.0</b> ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Addition of intra frequency cell to cell environments		
<b>Source:</b>	⌘ NEC		
<b>Work item code:</b>	⌘ TEI <span style="float: right;"><b>Date:</b> ⌘ 28/07/2004</span>		
<b>Category:</b>	⌘ <b>F</b> <span style="float: right;"><b>Release:</b> ⌘ Rel-5</span> Use <u>one</u> of the following categories: <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)                      Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.                 </td> <td style="width: 50%; vertical-align: top;">                     Use <u>one</u> of the following releases:                      2 (GSM Phase 2)                      R96 (Release 1996)                      R97 (Release 1997)                      R98 (Release 1998)                      R99 (Release 1999)                      Rel-4 (Release 4)                      Rel-5 (Release 5)                      Rel-6 (Release 6)                 </td> </tr> </table>	<b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
<b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)		

<b>Reason for change:</b>	⌘ The current cell environment only includes 5 intra-frequency cells. Some RF test cases require 6 intra-frequency cells.
<b>Summary of change:</b>	⌘ Add an additional intra-frequency cell in section 6.1.4 and to SIB11 in section 6.1.0b.
<b>Consequences if not approved:</b>	⌘ Test cases using 6 intra-frequency cells can not be executed properly.

<b>Clauses affected:</b>	⌘ 6.1.0b, 6.1.4									
<b>Other specs affected:</b>	<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Y</td> <td style="padding: 2px 5px;">N</td> </tr> <tr> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	⌘ Other core specifications ⌘ ⌘ Test specifications ⌘ ⌘ O&M Specifications ⌘
Y	N									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<b>Other comments:</b>	⌘ This CR is applicable for UE's supporting Rel-99 or later.									

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

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

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

Error! No text of specified style in document.

2

Error! No text of specified style in document.

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.

## 6.1.0b 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.



<ul style="list-style-type: none"> <li>- SIB12 indicator</li> </ul>	<p>A1, A2, <a href="#">A3</a></p>	<p>TRUE</p>
<ul style="list-style-type: none"> <li>- FACH measurement occasion info</li> <li>- Measurement control system information</li> <li>- Use of HCS</li> </ul>		<p>Not Present</p> <p>Not used</p> <p>CPICH RSCP</p>
<ul style="list-style-type: none"> <li>- Cell selection and reselection quality measure</li> <li>- <b>Intra-frequency measurement system information</b></li> </ul>	<p>A1, A2, <a href="#">A3</a></p>	
<ul style="list-style-type: none"> <li>- Intra-frequency measurement identity</li> </ul>		<p>Not Present</p> <p>Absence of this IE is equivalent to default value 1</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell info list</li> <li>- CHOICE intra-frequency cell removal</li> </ul>		<p>Not present</p> <p>(This IE shall be ignored by the UE for SIB11)</p>
<ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> <li>- Cell individual offset</li> </ul>		<p>1</p> <p>Not present</p> <p>Absence of this IE is equivalent to default value 0dB</p>
<ul style="list-style-type: none"> <li>- Reference time difference to cell</li> <li>- Read SFN indicator</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul>		<p>Not Present</p> <p>FALSE</p> <p>FDD</p>
<ul style="list-style-type: none"> <li>- Primary CPICH TX power</li> <li>- TX Diversity indicator</li> <li>- Cell Selection and Re-selection info</li> </ul>		<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4</p> <p>Not Present</p> <p>FALSE</p> <p>Not Present</p> <p>(The IE shall be absent as this is the serving cell)</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> <li>- Cell individual offset</li> </ul>		<p>2</p> <p>Not present</p> <p>Absence of this IE is equivalent to default value 0dB</p>
<ul style="list-style-type: none"> <li>- Reference time difference to cell</li> <li>- Read SFN indicator</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul>		<p>Not present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <li>- Primary CPICH TX power</li> <li>- TX Diversity indicator</li> <li>- Cell Selection and Re-selection info</li> </ul>		<p>Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4</p> <p>Not Present</p> <p>FALSE</p> <p>Not present</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>		<p>For neighbouring cell, if HCS is not used and all the parameters in cell selection and re-selection info are Default value, this IE is absent.</p> <p>3</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>		<p>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.3 (FDD)" in clause 6.1.4</p> <p>7</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>	<p>A1, <a href="#">A3</a></p>	<p>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</p> <p>8</p>
<ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>		<p>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.8 (FDD)" in clause 6.1.4</p> <p>11</p>
<ul style="list-style-type: none"> <li>- <a href="#">Intra-frequency cell id</a></li> <li>- <a href="#">Cell info</a></li> </ul>	<p><a href="#">A3</a></p>	<p><a href="#">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.11 (FDD)" in clause 6.1.4</a></p>
<ul style="list-style-type: none"> <li>- Cells for measurement</li> </ul>	<p>A1, A2, <a href="#">A3</a></p>	<p>Not Present</p>

<ul style="list-style-type: none"> <li>- Intra-frequency measurement quantity</li> <li>- Filter coefficient</li> <li>- CHOICE mode             <ul style="list-style-type: none"> <li>- Measurement quantity</li> </ul> </li> <li>- Intra-frequency reporting quantity for RACH Reporting</li> <li>- Maximum number of reported cells on RACH</li> <li>- Reporting information for state CELL_DCH             <ul style="list-style-type: none"> <li>- Intra-frequency reporting quantity</li> <li>- Reporting quantities for active set cells</li> </ul> </li> <li>- Cell synchronisation information reporting indicator</li> <li>- Cell identity reporting indicator</li> <li>- CHOICE mode             <ul style="list-style-type: none"> <li>- CPICH Ec/N0 reporting indicator</li> <li>- CPICH RSCP reporting indicator</li> <li>- Pathloss reporting indicator</li> </ul> </li> <li>- Reporting quantities for monitored set cells</li> <li>- Cell synchronisation information reporting indicator</li> <li>- Cell identity reporting indicator</li> <li>- CHOICE mode             <ul style="list-style-type: none"> <li>- CPICH Ec/N0 reporting indicator</li> <li>- CPICH RSCP reporting indicator</li> <li>- Pathloss reporting indicator</li> </ul> </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 Mode</li> <li>- CHOICE report criteria</li> <li>- Intra-frequency measurement reporting criteria             <ul style="list-style-type: none"> <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> <li>- Replacement activation threshold</li> <li>- Time to trigger</li> <li>- Amount of reporting</li> <li>- Reporting interval</li> <li>- Reporting cell status</li> <li>- CHOICE reported cell</li> </ul> </li> <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> <li>- W</li> <li>- Hysteresis</li> <li>- Threshold Used Frequency</li> <li>- Reporting deactivation threshold</li> <li>- Replacement activation threshold</li> <li>- Time to trigger</li> <li>- Amount of reporting</li> <li>- Reporting interval</li> </ul>	<p>A1, A2, A3</p>	<ul style="list-style-type: none"> <li>Not present</li> <li>Absence of this IE is equivalent to the default value 0</li> <li>FDD</li> <li>CPICH RSCP</li> <li>Not Present</li> <li>Not Present</li> <li>FALSE</li> <li>TRUE</li> <li>FDD</li> <li>FALSE</li> <li>TRUE</li> <li>FALSE</li> <li>TRUE</li> <li>TRUE</li> <li>TRUE</li> <li>FDD</li> <li>FALSE</li> <li>TRUE</li> <li>FALSE</li> <li>Not Present</li> <li>Acknowledged mode RLC</li> <li>Event trigger</li> <li>Intra-frequency measurement reporting criteria</li> <li>3 kinds</li> <li>1a</li> <li>Not Present</li> <li>Monitored set cells</li> <li>5dB</li> <li>Not Present</li> <li>1.0</li> <li>0.0</li> <li>Not Present</li> <li>2</li> <li>Not Present</li> <li>640</li> <li>4</li> <li>4000</li> <li>Report cell within active set and/or monitored set cells on used frequency</li> <li>3</li> <li>1b</li> <li>Active set cells</li> <li>Not Present</li> <li>5dB</li> <li>Not Present</li> <li>1.0</li> <li>0.0</li> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> <li>640</li> <li>Not Present</li> <li>Not Present</li> </ul>
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<ul style="list-style-type: none"> <li>- CHOICE <i>Inter-RAT cell removal</i></li> <li>- New inter-RAT cells</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>- Cell individual offset</li> <li>- Cell selection and re-selection info</li> <li>- BSIC</li> <li>- Base transceiver Station Identity Code (BSIC)</li> <li>- Band indicator</li> <li>- BCCH ARFCN</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>- Cell individual offset</li> <li>- Cell selection and re-selection info</li> <li>- BSIC</li> <li>- Base transceiver Station Identity Code (BSIC)</li> <li>- Band indicator</li> <li>- BCCH ARFCN</li> <li>- Cell for measurement</li> <li>- Traffic volume measurement system information</li> </ul>	<p>A1, A2, A3</p>	<p>Not Present (This IE shall be ignored by the UE for SIB11)</p> <p>9 GSM</p> <p>0 Not Present</p> <p>Reference to table 6.1.10 for Cell 9</p> <p>According to PICS/PIXIT Reference to table 6.1.10 for Cell 9</p> <p>10 GSM</p> <p>0 Not Present</p> <p>Reference to table 6.1.10 for Cell 10</p> <p>According to PICS/PIXITs Reference to table 6.1.10 for Cell 10</p> <p>Not present</p> <p>Not Present</p>
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment
A3	<a href="#">FDD intra-frequency cell environment (6 intra-frequency cells without inter-frequency cells)</a>

Contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD)

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 (TDD) for cell 2 to 8.

<ul style="list-style-type: none"> <li>- SIB 12 Indicator</li> <li>- FACH measurement occasion info</li> <li>- Measurement control system information</li> <li>- Use of HCS</li> <li>- Cell selection and reselection quality measureCell</li> <li>- Intra-frequency measurement system information</li> <li>- Intra-frequency measurement identity</li> <li>- Intra-frequency cell info list</li> <li>- CHOICE intra-frequency cell removal</li> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> <li>- Cell individual offset</li> <li>- Reference time difference to cell</li> <li>- Read SFN Indicator</li> <li>- CHOICE mode</li> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> <li>- Primary CCPCH TX power</li> <li>- Timeslot list</li> <li>- CHOICE TDD option</li> <li>- 3.84 Mcps TDD</li> <li>- Timeslot number</li> <li>- Burst type</li> </ul>	<p>A1, A2</p> <p>A1, A2</p>	<p>TRUE</p> <p>Not Present</p> <p>Not used (no data)</p> <p>Not Present Absence of this IE is equivalent to default value 1</p> <p>Not present (This IE shall be ignored by the UE for SIB11)</p> <p>1</p> <p>Not present Absence of this IE is equivalent to default value 0dB</p> <p>Not Present</p> <p>FALSE</p> <p>TDD</p> <p>Reference clause 6.1.4 Default settings for cell</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>
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- 1.28 Mcps TDD		Not Present
- Timeslot number		Not Present
- Cell Selection and Re-selection info		(The IE shall be absent as this is the serving cell)
- Cell for measurement	A1, A2	Not Present
- Intra-frequency measurement quantity	A1, A2	Not present
- Filter coefficient		Absence of this IE is equivalent to the default value 0
- CHOICE mode		TDD
- Measurement quantity list		P-CCPCH RSCP
- Measurement quantity		Not Present
- Intra-frequency reporting quantity for RACH		Not Present
Reporting		
- Maximum number of reported cells on RACH		Not Present
- Reporting information for state CELL_DCH		
- Intra-frequency reporting quantity		
- Reporting quantities for active set cells		
- Cell synchronisation information reporting		TRUE
indicator		
- Cell identity reporting indicator		TRUE
- CHOICE mode		TDD
- Timeslot ISCP reporting indicator		FALSE
- Proposed TSGN reporting required		FALSE
- P-CCPCH RSCP reporting indicator		TRUE
- Pathloss reporting indicator		FALSE
- Reporting quantities for monitored set cells		
- Cell synchronisation information reporting		FALSE
indicator		
- Cell identity reporting indicator		TRUE
- CHOICE mode		TDD
- Timeslot ISCP reporting indicator		FALSE
- Proposed TSGN reporting required		FALSE
- P-CCPCH RSCP reporting indicator		TRUE
- Pathloss reporting indicator		FALSE
- Reporting quantities for detected set cells		Not Present
- Measurement reporting mode		
- Measurement Report Transfer Mode		Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting		Event trigger
Mode		
-CHOICE report criteria		
- Intra-frequency measurement reporting criteria		
- Parameters required for each event		
- Intra-frequency event identity		1g
- Triggering condition1		Not Present
- Triggering condition2		Not Present
- Reporting Range		Not Present
- cells forbidden to affect reporting range		Not Present
- W(optional in case of 1a,1b)		Not Present
- Hysteresis		0.0
- Threshold used frequency		Not Present
- Reporting deactivation threshold		3
- Replacement activation threshold		Not Present
- Time to trigger		640
- Amount of reporting		4
- Reporting interval		4000
- Reporting cell status		
- CHOICE reported cells		Report cell within active set and/or monitored cells on
		used frequency
- Maximum number of reported cells		3
- Inter-frequency measurement system information	A1, A2	

- Inter-frequency cell info list		Not present
- CHOICE Inter-frequency cell removal		(This IE shall be ignored by the UE for SIB11)
- New inter-frequency cells		
- Inter frequency cell id		4
- Frequency info		TDD
- CHOICE mode		Reference to table 6.1.2 for Cell 4
- UARFCN (Nt)		
- Cell info		Not present
- Cell individual offset		Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not present
- Cell individual offset		Not present
- Reference time difference to cell		Absence of this IE is equivalent to default value 0dB
- Read SFN indicator		Not present
- CHOICE mode		FALSE
- Primary CCPCH info		TDD
- Primary CCPCH Tx power		Refer to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4
- TX Diversity Indicator		Not present
- Cell Selection and Re-selection Info		FALSE
- Inter frequency cell id		Not present (same values as for serving cell applies)
- Frequency info		5
- Cell info		Not Present
- Inter frequency cell id		Absence of this IE is equivalent to value of the previous "frequency info" in the list.
- Frequency 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.5 (TDD)" in clause 6.1.4
- Cell info		6
- Inter-RAT measurement system information	A1	Not Present
- Inter-RAT measurement system information	A2	Not Present
- Inter-RAT cell info list		Not Present
- CHOICE <i>Inter-RAT cell removal</i>		(This IE shall be ignored by the UE for SIB11)
- New inter-RAT cells		
- Inter-RAT cell id		9
- CHOICE <i>Radio Access Technology</i>		GSM
- GSM		
- Cell individual offset		0
- Cell selection and re-selection info		Not Present
- BSIC		
- Base transceiver Station Identity Code (BSIC)		Reference to table 6.1.10 for Cell 9
- Band indicator		According to PICS/PIXIT
- BCCH ARFCN		Reference to table 6.1.10 for Cell 9
- Inter-RAT cell id		10
- CHOICE <i>Radio Access Technology</i>		GSM
- GSM		
- Cell individual offset		0
- Cell selection and re-selection info		Not Present
- BSIC		
- Base transceiver Station Identity Code (BSIC)		Reference to table 6.1.10 for Cell 10
- Band indicator		According to PICS/PIXITs
- BCCH ARFCN		Reference to table 6.1.10 for Cell 10
- Cell for measurement		Not present
- Traffic volume measurement system information	A1, A2	Not Present

<b>Condition</b>	<b>Explanation</b>
A1	TDD cell environment
A2	TDD/GSM inter-RAT cell environment

### 6.1.4 Default parameters for 1 to 8 cell environments

Default settings for cell No.1 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  100
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Contents of System Information Block type 11 for cell No.1 (FDD)

See sub-clause 6.1.0b for contents of System Information Block type 11 (FDD) for cell 1.

Contents of System Information Block type 12 in connected mode for cell No.1 (FDD)

See sub-clause 6.1.0b for contents of System Information Block type 12 (FDD) for cell 1.

Default settings for cell No.1 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set  0
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Contents of System Information Block type 11 for cell No.1 (TDD)

See sub-clause 6.1.0b for contents of System Information Block type 11 (TDD) for cell 1.

Contents of System Information Block type 12 in connected mode for cell No.1 (TDD)

See sub-clause 6.1.0b for contents of System Information Block type 12 (TDD) for cell 1.

#### Cell No.2

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.2 are identical to those of cell No.1 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 0010B
URA identity	0000 0000 0000 0001B

Default settings for cell No.2 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  150
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<p>....</p> <ul style="list-style-type: none"> <li>- New inter-RAT cells</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> </ul> <p>- Inter-RAT cell id</p> <ul style="list-style-type: none"> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> </ul> <p>....</p>	<p>9</p> <p>GSM</p> <p>Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>10</p> <p>GSM</p> <p>Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment
<a href="#">A3</a>	<a href="#">FDD intra-frequency cell environment (6 intra-frequency cells without inter-frequency cells)</a>

Default settings for cell No.2 (TDD):

<p>Downlink input level</p> <p>Uplink output power</p> <p>PCCPCH/PCPICH carrier number</p> <p>Cell Channel Description</p> <ul style="list-style-type: none"> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> </ul>	<p>Reference clause 6 Parameter Set</p> <p>Minimum supported by the UE's power class.</p> <p>Reference clause 6 Parameter Set</p> <p>4</p>
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Contents of System Information Block type 11 for cell No.2 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <p>.....</p> <p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <p>.....</p>	<p>2</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (TDD)" in clause 6.1.4</p> <p>1</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4</p> <p>3</p> <p>Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>7</p> <p>Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>8</p> <p>Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>4</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>5</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>6</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p>
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Cell No.3

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.3 are identical to those of cell No.1 with the following exceptions:

<p>Cell identity</p> <p>URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0011B</p> <p>0000 0000 0000 0010B</p>
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Default settings for cell No.3 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  200
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<ul style="list-style-type: none"> <li>- GSM</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>....</li> </ul>	<p>Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b 10                  GSM                  Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment
<a href="#">A3</a>	<a href="#">FDD intra-frequency cell environment (6 intra-frequency cells without inter-frequency cells)</a>

Default settings for cell No.3 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description <ul style="list-style-type: none"> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> </ul>	Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set  8
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Contents of System Information Block type 11 for cell No.3 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <p>.....</p>	<p>3</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4</p> <p>1</p> <p>Same content as specified for Intra-frequency cell id=2 (neighbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4</p> <p>2</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>7</p> <p>Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>8</p> <p>Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <p>.....</p>	<p>4</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>5</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>6</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p>

Cell No.4

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.4 are identical to those of cell No.1 with the following exceptions:

<p>Cell identity</p> <p>URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0100B</p> <p>0000 0000 0000 0010B</p>
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Default settings for cell No.4 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  250
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Contents of System Information Block type 11 for cell No.4 (FDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <p>.....</p>	<p>A1, A2</p>	<p>4</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4</p> <p>5</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4</p> <p>6</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b 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</p>
<p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> <li>- UARFCN uplink(Nu)</li> </ul> <ul style="list-style-type: none"> <li>- UARFCN downlink(Nd)</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> </ul>	<p>A1, A2</p>	<p>1</p> <p>Not present</p> <p>Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101</p> <p>Reference to table 6.1.2 for Cell 1</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4</p> <p>2</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4</p> <p>3</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4</p> <p>7</p>

<ul style="list-style-type: none"> <li>- Frequency info</li>   <li>- Cell info</li>    <li>- Inter-frequency cell id</li> <li>- Frequency info</li>    <li>- Cell info</li>    <li><b>- Inter-RAT cell info list</b></li> <li>....</li> <li>- New inter-RAT cells</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li>   <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>....</li> </ul>	<p>A2</p>	<p>Not Present Absence of this IE is equivalent to value of the previous "frequency info" in the list. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b 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</p> <p>8 Not Present Absence of this IE is equivalent to value of the previous "frequency info" in the list. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4</p> <p>9 GSM Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>10 GSM Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment

Default settings for cell No.4 (TDD):

<ul style="list-style-type: none"> <li>Downlink input level</li> <li>Uplink output power</li> <li>PCCPCH/PCPICH carrier number</li> <li>Cell Channel Description <ul style="list-style-type: none"> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> </ul> </li> </ul>	<p>Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set</p> <p>12</p>
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Contents of System Information Block type 11 for cell No.4 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>	<p>4</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4</p> <p>5</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4</p> <p>6</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b 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</p>
<p>.....</p> <p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter-frequency cell id</li> <li>- Frequency info             <ul style="list-style-type: none"> <li>- UARFCN downlink(Nt)</li> </ul> </li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul>	<p>1</p> <p>Reference to table 6.1.7 for Cell 1</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4</p> <p>2</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4</p> <p>3</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4</p> <p>7</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4</p> <p>8</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>

- Cell info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4
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Cell No.5

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.5 are identical to those of cell No.4 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 0101B
URA identity	0000 0000 0000 0011B

Default settings for cell No.5 (FDD):

Downlink input level	Reference clause 6.10 Parameter Set
Uplink output power	Minimum supported by the UE's power class.
PCCPCH/PCPICH carrier number	Reference clause 6.10 Parameter Set
Cell Channel Description	
- Primary CPICH info	
- Primary scrambling code	300



<ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li>   <li>- Cell info</li>   <li>.....</li> <li><b>- Inter-RAT cell info list</b></li> <li>.....</li> <li>- New inter-RAT cells</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li>   <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li>   <li>.....</li> </ul>	A2	8 Not Present Absence of this IE is equivalent to value of the previous "frequency info" in the list. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4  9 GSM Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b 10 GSM Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment

Default settings for cell No.5 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description <ul style="list-style-type: none"> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> </ul>	Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set  114
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Contents of System Information Block type 11 for cell No.5 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>	<p>5</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4</p> <p>4</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4</p> <p>6</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (TDD)" in clause 6.1.4</p>
<p>.....</p> <p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter-frequency cell id</li> <li>- Frequency info             <ul style="list-style-type: none"> <li>- UARFCN downlink(Nt)</li> </ul> </li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul>	<p>1</p> <p>Reference to table 6.1.7 for Cell 1</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4</p> <p>2</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (TDD)" in clause 6.1.4</p> <p>3</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4</p> <p>7</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4</p> <p>8</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>

- Cell info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4
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Cell No.6

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.6 are identical to those of cell No.4 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 0110B
URA identity	0000 0000 0000 0011B

Default settings for cell No.6 (FDD):

Downlink input level	Reference clause 6 Parameter Set
Uplink output power	Minimum supported by the UE's power class.
PCCPCH/PCPICH carrier number	Reference clause 6 Parameter Set
Cell Channel Description	
- Primary CPICH info	
- Primary scrambling code	350





<ul style="list-style-type: none"> <li>- Frequency info</li> <li>- Cell info</li> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> <li>- Cell info</li> <li>.....</li> <li><b>- Inter-RAT cell info list</b></li> <li>.....</li> <li>- New inter-RAT cells</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>- Inter-RAT cell id</li> <li>- CHOICE <i>Radio Access Technology</i></li> <li>- GSM</li> <li>.....</li> </ul>	A2	<p>Not Present Absence of this IE is equivalent to value of the previous "frequency info" in the list. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b 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</p> <p>8 Not Present Absence of this IE is equivalent to value of the previous "frequency info" in the list. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4</p> <p>9 GSM Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>10 GSM Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
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Condition	Explanation
A1	FDD cell environment
A2	FDD/GSM inter-RAT cell environment

Default settings for cell No.6 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description</p> <ul style="list-style-type: none"> <li>- Primary CCPCH info</li> <li>- Cell parameters ID</li> </ul>	<p>Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set</p> <p>119</p>
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Contents of System Information Block type 11 for cell No.6 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul>	<p>6</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (TDD)" in clause 6.1.4</p> <p>4</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4</p> <p>5</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4</p>
<p>.....</p> <p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter-frequency cell id</li> <li>- Frequency info             <ul style="list-style-type: none"> <li>- UARFCN downlink(Nt)</li> </ul> </li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter-frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul>	<p>1</p> <p>Reference to table 6.1.7 for Cell 1</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4</p> <p>2</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (TDD)" in clause 6.1.4</p> <p>3</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4</p> <p>7</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4</p> <p>8</p> <p>Not Present</p> <p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>

<p>- Cell info</p> <p>.....</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4</p>
---------------------------------	--

Cell No.7

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.7 are identical to those of cell No.1 with the following exceptions:

<p>Cell identity</p> <p>URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0111B</p> <p>0000 0000 0000 0100B</p>
--	--

Default settings for cell No.7 (FDD):

<p>Downlink input level</p> <p>Uplink output power</p> <p>PCCPCH/PCPICH carrier number</p> <p>Cell Channel Description</p> <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul>	<p>Reference clause 6.10 Parameter Set</p> <p>Minimum supported by the UE's power class.</p> <p>Reference clause 6.10 Parameter Set</p> <p>400</p>
--	--



Default settings for cell No.7 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set  123
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Contents of System Information Block type 11 for cell No.7 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <p>.....</p> <p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <p>.....</p>	<p>7</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4</p> <p>1</p> <p>Same content as specified for Intra-frequency cell id=2 (neighbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4</p> <p>2</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>3</p> <p>Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>8</p> <p>Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>4</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>5</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>6</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p>
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Cell No.8

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.8 are identical to those of cell No.1 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 1000B
URA identity	0000 0000 0000 0100B

Default settings for cell No.8 (FDD):

Downlink input level	Reference clause 6.10 Parameter Set
Uplink output power	Minimum supported by the UE's power class.
PCCPCH/PCPICH carrier number	Reference clause 6.10 Parameter Set
Cell Channel Description	
- Primary CPICH info	
- Primary scrambling code	450





Default settings for cell No.8 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6 Parameter Set Minimum supported by the UE's power class. Reference clause 6 Parameter Set  127
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Contents of System Information Block type 11 for cell No.8 (TDD)

<p><b>- Intra-frequency measurement system information</b></p> <p>....</p> <ul style="list-style-type: none"> <li>- New intra-frequency cells</li> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Intra-frequency cell id</li> <li>- Cell info</li> </ul> <p>.....</p> <p><b>- Inter-frequency measurement system information</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>- New inter-frequency cells</li> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <ul style="list-style-type: none"> <li>- Inter frequency cell id</li> <li>- Frequency info</li> </ul> <ul style="list-style-type: none"> <li>- Cell info</li> </ul> <p>.....</p>	<p>8</p> <p>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4</p> <p>1</p> <p>Same content as specified for Intra-frequency cell id=2 (neighbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4</p> <p>2</p> <p>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>3</p> <p>Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>7</p> <p>Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>4</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>5</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>6</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p> <p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p>
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Cell No.9

Contents of System Information for cell No.9 (GSM)

See TS 51.010-1 [31], clause 10.1.2.

Default settings for cell No.9 (GSM):

See table 6.1.10

Cell No.10

Contents of System Information for cell No.10 (GSM)

See TS 51.010-1 [31], clause 10.1.2.

Default settings for cell No.10 (GSM):

See table 6.1.10

Cell No.11

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.11 are identical to those of cell No.1 with the following exceptions:

<u>Cell identity</u>	<u>0000 0000 0000 0000 0000 0000 1011B</u>
<u>URA identity</u>	<u>0000 0000 0000 0010B</u>

Default settings for cell No.11 (FDD):

<u>Downlink input level</u>	<u>Reference clause 6.10 Parameter Set</u>
<u>Uplink output power</u>	<u>Minimum supported by the UE's power class.</u>
<u>PCCPCH/PCPICH carrier number</u>	<u>Reference clause 6.10 Parameter Set</u>
<u>Cell Channel Description</u>	
<u>- Primary CPICH info</u>	
<u>- Primary scrambling code</u>	<u>500</u>

Contents of System Information Block type 11 for cell No.11 (FDD)

<p><b><u>- Intra-frequency measurement system information</u></b>          ....  <u>- New intra-frequency cells</u>  <u>- Intra-frequency cell id</u>  <u>- Cell info</u></p> <p><u>- Intra-frequency cell id</u>  <u>- Cell info</u></p> <p><u>- Intra-frequency cell id</u>  <u>- Cell info</u></p> <p><u>- Intra-frequency cell id</u>  <u>- Cell info</u></p> <p><u>- Intra-frequency cell id</u>  <u>- Cell info</u></p> <p><u>- Intra-frequency cell id</u>  <u>- Cell info</u></p> <p>.....</p>	<p><b><u>A3</u></b></p>	<p><b><u>11</u></b>  <u>Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.11 (FDD)" in clause 6.1.4</u></p> <p><b><u>1</u></b>  <u>Same content as specified for Intra-frequency cell id=2 (neighbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4</u></p> <p><b><u>2</u></b>  <u>Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b</u></p> <p><b><u>3</u></b>  <u>Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b</u></p> <p><b><u>7</u></b>  <u>Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b</u></p> <p><b><u>8</u></b>  <u>Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b</u></p>
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<b><u>Condition</u></b>	<b><u>Explanation</u></b>
<u>A1</u>	<u>FDD cell environment</u>
<u>A2</u>	<u>FDD/GSM inter-RAT cell environment</u>
<u>A3</u>	<u>FDD intra-frequency cell environment (6 intra-frequency cells without inter-frequency cells)</u>

**3GPP TSG-T1 Meeting #24**  
**Toronto, Canada, 26<sup>th</sup> - 30<sup>th</sup> July 2004**

**Tdoc # T1-041365**

CR-Form-v7	<b>CHANGE REQUEST</b>
# <b>34.108 CR 342</b> # rev - # Current version: <b>5.1.0</b> #	

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Correct primary scrambling code usage in default message contents in section 9.2.1
<b>Source:</b>	# NEC
<b>Work item code:</b>	# TEI <span style="float: right;"><b>Date:</b> # 29/07/2004</span>
<b>Category:</b>	# <b>F</b> <span style="float: right;"><b>Release:</b> # Rel-5</span>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><i>Use one of the following categories:</i></p> <p><b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.</p> </div> <div style="width: 45%;"> <p><i>Use one of the following releases:</i></p> <p>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)</p> </div> </div>

<b>Reason for change:</b>	# The current default message contents use Primary Scrambling Code 100, but some test cases start on a different cell which use a different code.
<b>Summary of change:</b>	# Change Primary Scrambling Code from "100" to "Reference to clause 6.1 "Default settings (FDD)"" for default message contents in section 9.2.1. (Same as done in section 9.1.1 for signaling test cases)
<b>Consequences if not approved:</b>	# Test cases could fail because wrong scrambling codes might be used.

<b>Clauses affected:</b>	# 9.2.1												
<b>Other specs affected:</b>	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">Y</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">N</td> <td></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">#</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">X</td> <td>Other core specifications #</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">#</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">X</td> <td>Test specifications</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">#</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">X</td> <td>O&amp;M Specifications</td> </tr> </table>	Y	N		#	X	Other core specifications #	#	X	Test specifications	#	X	O&M Specifications
Y	N												
#	X	Other core specifications #											
#	X	Test specifications											
#	X	O&M Specifications											
<b>Other comments:</b>	# This CR is applicable for UE's supporting Rel-99 or later.												

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

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

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

Error! No text of specified style in document.

2

Error! No text of specified style in document.

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.

## 9.2 Default Message Contents for RF

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

### 9.2.1 Default Message Contents for RF (FDD)

*<Skipped unchanged sections>*

Contents of RADIO BEARER SETUP message: AM or UM (UE supports CS RAB for Test Loop Mode1)

Information Element	Value/remark	Version
Message Type	Arbitrarily selects an integer between 0 and 3	
RRC transaction identifier		
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	Not Present	
- RAB information for setup list		
- RAB information for setup		
- RAB info	0000 0001B	
- RAB identity	The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup list		
- RB information to setup		
- RB identity	10	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	7	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	Not Present	
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
UL Transport channel information for all		

Information Element	Value/remark	Version
transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> </ul>	Not Present FDD Not Present  Normal  Complete reconfiguration	
<ul style="list-style-type: none"> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- CHOICE mode</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> </ul>	2 bit CTFC 4 TFCs 0  Computed Gain Factors 0 FDD Not Present 2  Computed Gain Factors 0 FDD Not Present 1  Computed Gain Factors 0 FDD Not Present 3  Signalled Gain Factors FDD 8 15 0 FDD Not Present Not Present	
Deleted UL TrCH information list	Not Present	
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	1  DCH 1  Dedicated transport channels  244 bits 2 Not Present 0 Not Present 1 ALL  20 Convolutional 1/3 256 16	
CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information</li> </ul>	FDD Not Present Not Present	



Information Element	Value/remark	Version
for DRAC list		
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	Not Present FDD Same as UL	
Deleted DL TrCH information list Added or Reconfigured DL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	Not Present 1  DCH 6 Same as UL DCH 1  -2.0	
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul> CHOICE Mode - Downlink PDSCH information	Not Present 33dBm Uplink DPCH info  FDD -6dB 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present FDD Long 0 (0 to 16777215) 1 64 TRUE Not Present(0) 1 FDD Not Present	REL-5 REL-5 REL-5
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links - Downlink DPCH info common for all RL <ul style="list-style-type: none"> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- Number of bits for Pilot bits</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	Maintain Not Present  FDD 0 (single) FDD 0 Not Present  128 Fixed TRUE 128 8 FDD Not Present None Not Present Not Present	
Downlink information per radio link list		

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> </ul> </li> <li>- DPCH frame offset</li> </ul> </li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSST Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	<p>FDD</p> <p><a href="#">Reference to clause 6.1 "Default settings (FDD)"</a><del>400</del></p> <p>Not Present</p> <p>Not Present</p> <p>FDD</p> <p>Primary CPICH may be used</p> <p>Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400</p> <p>Not Present</p> <p>Not Present</p> <p>128</p> <p>96</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>	

## Contents of RADIO BEARER SETUP message: AM or UM (UE supports PS RAB only)

Information Element	Value/remark	Version
Message Type		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	Not Present	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	Not Present	
- RAB information for setup list		
- RAB information for setup		
- RAB info	(AM DTCH for PS domain)	
- RAB identity	0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	PS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	useT315	
- RB information to setup		
- RB identity	20	
- PDCP info		
- Support for lossless SRNS relocation	FALSE	
- Max PDCP SN window size	Not present	
- PDCP PDU header	Absent	
- Header compression information	Not present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- CHOICE SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	128	
- Timer_RST	500	
- Max_RST	4	
- Polling info		
- Timer_poll_prohibit	200	
- Timer_poll	200	
- Poll_PDU	Not Present	
- Poll_SDU	1	
- Last transmission PDU poll	TRUE	
- Last retransmission PDU poll	TRUE	
- Poll_Windows	99	
- Timer_poll_periodic	Not Present	
- CHOICE Downlink RLC mode	AM RLC	
- In-sequence delivery	TRUE	
- Receiving window size	128	
- Downlink RLC status info		
- Timer_status_prohibit	200	
- Timer_EPC	Not Present	
- Missing PDU indicator	TRUE	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>DCH</p> <p>6</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>7</p> <p>Explicit list</p> <p>Reference to TS34.108 clause 6</p> <p>Parameter Set</p> <p>8</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>7</p>	
<p>RB information to be affected list</p> <p>Downlink counter synchronisation info</p>	<p>Not Present</p> <p>Not Present</p>	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> </ul> <p>information</p> <ul style="list-style-type: none"> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul>	<p>Not Present</p> <p>FDD</p> <p>Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</p> <p>11 (below 64 kbps)</p> <p>9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)</p> <p>0</p> <p>FDD</p> <p>Not Present</p>	

Information Element	Value/remark	Version
Deleted UL TrCH information list	Not Present	
Added or Reconfigured UL TrCH information list	1	
Added or Reconfigured UL TrCH information	1 DCH added, 1 DCH reconfigured	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
- Dynamic Transport format information		
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set	
- Number of TBs and TTI List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE Logical Channel list	All	
- Semi-static Transport Format information		
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set	
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set	
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set	
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set	
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
- Dynamic Transport format information		
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set	
- Number of TBs and TTI List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set	
- CHOICE Logical Channel list	All	
- Semi-static Transport Format information		
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set	
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set	
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set	
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set	
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode	FDD	
- CPCH set ID	Not Present	
- Added or Reconfigured TrCH information for DRAC list	Not Present	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Explicit	
- DL DCH TFCS		
- CHOICE TFCI Signalling	Normal	
- TFCI Field 1 Information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure		
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> </ul> <p>Added or Reconfigured DL TrCH information list</p> <p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Dynamic transport format information</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	<p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4</p> <p>Reference to TS34.108 clause 6.10.2.4</p> <p>Parameter Set</p> <p>Not Present</p> <p>1</p> <p>2 TrCHs(DCH for DCCH and DCH for DTCH)</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>-2.0</p> <p>DCH</p> <p>6</p> <p>Explicit</p> <p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>(This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>-2.0</p>	
<p>Frequency info</p> <p>Maximum allowed UL TX power</p> <p>CHOICE channel requirement</p> <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul> <p>CHOICE Mode</p> <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	<p>Not Present</p> <p>33dBm</p> <p>Uplink DPCH info</p> <p>FDD</p> <p>-6dB</p> <p>1 frame</p> <p>7 frames</p> <p>Algorithm1</p> <p>1dB</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>FDD</p> <p>Long</p> <p>0 (0 to 16777215)</p> <p>1</p> <p>64</p> <p>TRUE</p> <p>Not Present(0)</p> <p>1</p> <p>FDD</p> <p>Not Present</p>	<p>REL-5</p> <p>REL-5</p> <p>REL-5</p>
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	<p>Maintain Not Present</p> <p>FDD 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present</p>	
<p>Downlink information per radio link list</p> <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	<p>FDD</p> <p><a href="#">Reference to clause 6.1 "Default settings (FDD)"</a><del>100</del></p> <p>Not Present Not Present</p> <p>FDD Primary CPICH may be used</p> <p>Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present</p> <p>Not present Reference to TS34.108 clause 6.10 Parameter Set Depends upon radio bearer used. No change 0 Not Present Not Present Not Present</p>	

Contents of RADIO BEARER SETUP message: AM or UM (UE supports CS RAB for Test Loop Mode 2)

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info - message authentication code  - RRC message sequence number  Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI New DSCH-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity Signalling RB information to setup	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present Not Present Not Present CELL_DCH Not Present Not Present Not Present
RAB information for setup list - RAB information for setup - RAB info - RAB identity  - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup list - RB information to setup - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode - Segmentation indication - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. CS domain Not Present UseT314  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 1 Not Present Configured 7  1 DCH 6 Not Present Not Present
RB information to be affected list Downlink counter synchronisation info	Not Present Not Present
UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation	Not Present FDD Not Present  Normal  Complete reconfiguration



Information Element	Value/remark
<ul style="list-style-type: none"> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size                             <ul style="list-style-type: none"> <li>- CTFC information</li> <li>- 2bit CTFC</li> </ul> </li> <li>- Power offset Information                             <ul style="list-style-type: none"> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{p-m}</math></li> </ul> </li> <li>- 2bit CTFC</li> <li>- Power offset Information                             <ul style="list-style-type: none"> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{p-m}</math></li> </ul> </li> <li>- 2bit CTFC</li> <li>- Power offset Information                             <ul style="list-style-type: none"> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{p-m}</math></li> </ul> </li> <li>- 2bit CTFC</li> <li>- Power offset Information                             <ul style="list-style-type: none"> <li>- CHOICE Gain Factors</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> </ul> </li> <li>- Reference TFC ID</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{p-m}</math></li> </ul> </li> </ul>	<p>2 bit CTFC 4 TFCs 0</p> <p>Computed Gain Factors 0 FDD Not Present 2</p> <p>Computed Gain Factors 0 FDD Not Present 1</p> <p>Computed Gain Factors 0 FDD Not Present 3</p> <p>Signalled Gain Factors FDD 8 15 0 FDD Not Present Not Present</p>
<p>Deleted UL TrCH information list</p> <p>Added or Reconfigured UL TrCH information list</p> <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS                             <ul style="list-style-type: none"> <li>- CHOICE Transport channel type</li> </ul> </li> <li>- Dynamic Transport Format Information                             <ul style="list-style-type: none"> <li>- RLC size</li> </ul> </li> <li>- Number of TBs and TTI List                             <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- Number of Transport blocks                             <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information                             <ul style="list-style-type: none"> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul> </li> </ul>	<p>1</p> <p>DCH 1</p> <p>Dedicated transport channels</p> <p>260 bits 2 Not Present 0 Not Present 1 ALL</p> <p>20 Convolutional 1/3 256 0</p>
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	<p>FDD Not Present Not Present</p>
<p>DL Transport channel information common for all transport channel</p> <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	<p>Not Present FDD Same as UL</p>
<p>Deleted DL TrCH information list</p> <p>Added or Reconfigured DL TrCH information list</p> <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- CHOICE Transport channel type</li> </ul>	<p>Not Present 1</p> <p>DCH 6</p> <p>Dedicated transport channels</p>

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	<ul style="list-style-type: none"> <li>244 bits</li> <li>2</li> <li>Not Present</li> <li>0</li> <li>Not Present</li> <li>1</li> <li>ALL</li> <li>20</li> <li>Convolutional</li> <li>1/3</li> <li>256</li> <li>16</li> <li>DCH</li> <li>1</li> <li>-2.0</li> </ul>
<ul style="list-style-type: none"> <li>Frequency info</li> <li>Maximum allowed UL TX power</li> <li>CHOICE channel requirement                             <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> </ul> </li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> <li>CHOICE Mode                             <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>33dBm</li> <li>Uplink DPCH info                             <ul style="list-style-type: none"> <li>FDD</li> <li>-6dB</li> <li>1 frame</li> <li>7 frames</li> <li>Algorithm1</li> <li>1dB</li> </ul> </li> <li>FDD</li> <li>Long</li> <li>0 (0 to 16777215)</li> <li>1</li> <li>64</li> <li>TRUE</li> <li>Not Present(0)</li> <li>1</li> <li>FDD</li> <li>Not Present</li> </ul>
<ul style="list-style-type: none"> <li>Downlink information common for all radio links                             <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> </ul> </li> <li>- Downlink DPCH power control information                             <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- DPC mode</li> </ul> </li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPDCH}</math></li> </ul> </li> <li>- DL rate matching restriction information                             <ul style="list-style-type: none"> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> </ul> </li> <li>- TFCI existence</li> <li>- CHOICE SF                             <ul style="list-style-type: none"> <li>- Number of bits for Pilot bits</li> </ul> </li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	<ul style="list-style-type: none"> <li>Maintain</li> <li>Not Present</li> <li>FDD</li> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>128</li> <li>Fixed</li> <li>TRUE</li> <li>128</li> <li>8</li> <li>FDD</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>
<ul style="list-style-type: none"> <li>Downlink information for per radio link list                             <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> </ul> </li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL</li> </ul>	<ul style="list-style-type: none"> <li>FDD</li> <li><a href="#">Reference to clause 6.1 "Default settings (FDD)"</a><del>400</del></li> <li>Not Present</li> <li>Not Present</li> </ul>

Information Element	Value/remark
- CHOICE mode	FDD
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	Not Present
- Secondary scrambling code	Not Present
- Spreading factor	128
- Code number	96
- Scrambling code change	No change
- TPC combination index	0
- SSTD Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

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

Information Element	Value/remark	Version
Message Type	Arbitrarily selects an integer between 0 and 3	REL-5
RRC transaction identifier		
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	Not Present	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	'1010 1010 1010 1010'	
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
Signalling RB information to setup	Not Present	
RAB information for setup list		
- RAB information for setup		
- 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 RAB identity.	
- CN domain identity	PS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT315	
- RB information to setup		
- RB identity	23	
- PDCP info		
- Support for lossless SRNS relocation	FALSE	
- Max PDCP SN window size	Not present	
- PDCP PDU header	Absent	
- Header compression information	Not present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	AM RLC	
- Transmission RLC discard		
- CHOICE SDU discard mode	No Discard	
- MAX_DAT	15	
- Transmission window size	128	
- Timer_RST	500	
- Max_RST	4	
- Polling info		
- Timer_poll_prohibit	100	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<p>100</p> <p>Not Present</p> <p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>768</p> <p>100</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBmuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>1</p> <p>Not Present</p> <p>Configured</p> <p>8</p> <p>1</p> <p>HS-DSCH</p> <p>Not Present</p> <p>Not Present</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>7</p> <p>Explicit list</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>8</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>7</p>	
<p>RB information to be affected list</p> <p>Downlink counter synchronisation info</p>	<p>Not Present</p> <p>Not Present</p>	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> </ul>	<p>Not Present</p> <p>FDD</p> <p>Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.</p> <p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul> Deleted UL TrCH information list	Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 0 FDD Not Present Not Present	
Added or Reconfigured UL TrCH information list Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	1 1 DCH added, 1 DCH reconfigured DCH 1 Dedicated transport channels Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 5 Dedicated transport channels Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	FDD Not Present Not Present	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> </ul>	Not Present	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	<p>FDD Explicit</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Not Present</p>	
Deleted DL TrCH information	Not Present	
<p>Added or Reconfigured DL TrCH information list</p> <p>Added or Reconfigured DL TrCH information</p> <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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                             <ul style="list-style-type: none"> <li>- HARQ Info                                     <ul style="list-style-type: none"> <li>- Number of Processes</li> </ul> </li> <li>- CHOICE <i>Memory Partitioning</i></li> </ul> </li> <li>- Added or reconfigured MAC-d flow                             <ul style="list-style-type: none"> <li>- MAC-hs queue to add or reconfigure list                                     <ul style="list-style-type: none"> <li>- MAC-hs queue Id</li> <li>- MAC-d Flow Identity</li> <li>- T1</li> </ul> </li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info                                     <ul style="list-style-type: none"> <li>- MAC-d PDU size</li> </ul> </li> <li>- MAC-d PDU size index</li> <li>- MAC-hs queue to delete list</li> </ul> </li> <li>- DCH quality target</li> </ul>	<p>1</p> <p>2 TrCHs(DCH for DCCH and HS-DSCH for DTCH)</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>-2.0</p> <p>HS-DSCH</p> <p>Not Present</p> <p>HS-DSCH</p> <p>Reference to TS34.121 [2] Annex C Fixed Reference Channels</p> <p>Implicit</p> <p>(one queue)</p> <p>0</p> <p>0</p> <p>50????</p> <p>Where is inter-TTI distance specified????</p> <p>16</p> <p>Reference to TS34.121 [2] Annex C Fixed Reference Channels</p> <p>0</p> <p>Not present</p> <p>Not present</p>	
<p>Frequency info</p> <p>Maximum allowed UL TX power</p> <p>CHOICE channel requirement</p> <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li>   <li>- TFCI existence</li> </ul>	<p>Not Present</p> <p>33dBm</p> <p>Uplink DPCH info</p> <p>FDD</p> <p>-6dB</p> <p>1 frame</p> <p>7 frames</p> <p>Algorithm1</p> <p>1dB</p> <p>3</p> <p>3</p> <p>1</p> <p>FDD</p> <p>Long</p> <p>0 (0 to 16777215)</p> <p>Not Present (1)</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>TRUE</p>	<p>REL-5</p> <p>REL-5</p> <p>REL-5</p>

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> <li>CHOICE Mode</li> <li>- Downlink PDSCH information</li> </ul>	Not Present(0) 1 FDD Not Present	
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> </ul> </li> <li>- Fixed or Flexible Position</li> <li>- TFCI existence</li> <li>- CHOICE SF                             <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul> </li> </ul>	Maintain Not Present  FDD 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present	
Downlink HS-PDSCH Information <ul style="list-style-type: none"> <li>- HS-SCCH Info                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- DL Scrambling Code</li> <li>- HS-SCCH Channelisation Code Information   <ul style="list-style-type: none"> <li>- HS-SCCH Channelisation Code</li> </ul> </li> </ul> </li> </ul> </li> <li>- Measurement Feedback Info                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- POhdsch</li> <li>- CQI Feedback cycle, k</li> <li>- CQI repetition factor   <ul style="list-style-type: none"> <li>- <math>\Delta_{CQI}</math></li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE mode</li> </ul>	FDD  1  FDD 6 dB 2 ms 1 5 (corresponds to 0dB in relative power offset) FDD (no data)	
Downlink information per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> </li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> </ul> </li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	FDD  <a href="#">Reference to clause 6.1 "Default settings (FDD)"</a> <del>100</del> Not Present Not Present TRUE  FDD Primary CPICH may be used Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  Not present Reference to TS34.108 clause 6.10 Parameter Set Set Depends upon radio bearer used. No change 0 Not Present Not Present Not Present	REL-5

Contents of RADIO BEARER SETUP message: BTFD RMC

Information Element	Value/remark	Version
Message Type		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.	
- Ciphering mode command	Start/restart	
- Ciphering algorithm	Use one of the supported ciphering algorithms	
- Ciphering activation time for DPCH	Set by operator	
- Radio bearer downlink ciphering activation time info	Not Present	
Activation time	Set by operator	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup	Not Present	
- RAB information for setup		
- RAB info		
- RAB identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup		
- RB identity	10	
- PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info		
- Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	
- DL DSCH Transport channel identity	Not Present	



Information Element	Value/remark	Version
- Logical channel identity	Not Present	
RB information to be affected	Not Present	
Downlink counter synchronisation info	Not Present	
	RMC for BTFD	
UL Transport channel information for all transport channels		
- PRACH TFCS	Not Present	
- CHOICE mode	FDD	
- TFC subset	Not Present	
- UL DCH TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information		
- CHOICE CTFC Size	ctfc6Bit	
- ctfc6Bit	22	
- ctfc6	0	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	11	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	1	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	12	
-powerOffsetInformation(OP)		
-gainFactorInformation	SignalledGainFactors	
-modeSpecificInfo	Fdd	
-fdd		
- Gain factor βc	8	
- Gain factor βd	15	
- Reference TFC ID	0	
- ctfc6	2	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	13	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	3	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	14	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	4	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	15	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	5	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	16	

Information Element	Value/remark	Version
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	6	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	17	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	7	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	18	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	8	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	19	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	9	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	20	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	10	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	21	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
Added or Reconfigured UL TrCH information		
-ul-AddReconfTransChInfoList	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info		
RLC size	256	
-numberOfTbSizeList		
-NumberOfTransportBlocks	Zero	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	216	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
RLC size	171	
- Choice Logical Channel List	ALL	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	160	

Information Element	Value/remark	Version
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	146	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	130	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	115	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	107	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	51	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	12	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
- CRC size	0	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Explicit	
- DL DCH TFCS		
- CHOICE TFCS signalling	Normal	
- TFCS Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information		
- CHOICE CTFC Size	Ctfc6Bit	
- ctfc6Bit	20	
- ctfc6	9	
- ctfc6	19	
- ctfc6	10	
- ctfc6	1	
- ctfc6	11	
- ctfc6	2	
- ctfc6	12	
- ctfc6	3	
- ctfc6	13	
- ctfc6	4	
- ctfc6	14	
- ctfc6	5	
- ctfc6	15	
- ctfc6	6	
- ctfc6	16	
- ctfc6	7	
- ctfc6	17	

Information Element	Value/remark	Version
- ctfc6	8	
- ctfc6	18	
Deleted DL TrCH information	Not Present	
Added or Reconfigured DL TrCH information		
-dl-AddReconfTransChInfoList(OP)	1	
- Downlink transport channel type	DCH	
- DL Transport channel identity	6	
- CHOICE DL parameters	Explicit	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info		
RLC size	244	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	204	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
RLC size	159	
- Choice Logical Channel List	ALL	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	148	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	134	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	118	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	103	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	95	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	39	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
RLC size	0	
-numberOfTbSizeList		
-NumberOfTransportBlocks	one	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
- CRC size	12	
- DCH quality target		
- BLER Quality value	-2.0	
- Transparent mode signalling info	Not Present	
Frequency info	Not Present	
Maximum allowed UL TX power	33 dBm	

Information Element	Value/remark	Version
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- DPCCH power offset	0	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- $\Delta_{ACK}$	Not Present	REL-5
- $\Delta_{NACK}$	Not Present	REL-5
- Ack-Nack repetition factor	Not Present	REL-5
- Scrambling code type	Long	
- Scrambling code number	0	
- Number of DPDCH	1	
- spreading factor	64	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
CHOICE Mode	FDD	
- Downlink PDSCH information	Not Present(0)	
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		
- Downlink DPCH info common for all RL	FDD	
- Timing indicator	Maintain	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- DPC mode	0 (single)	
- CHOICE mode	FDD	
- Power offset $P_{Pilot-DPDCH}$	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	128	
- Number of bits for Pilot bits(SF=128,256)	4	
- Fixed or Flexible Position	Fixed	
- TFCI existence	FALSE	
- DPCH compressed mode info	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Not Present	
Downlink information for each radio link list		
- Primary CPICH info	Not Present	
- Primary scrambling code	<a href="#">Reference to clause 6.1 "Default settings (FDD)"</a> <del>400</del>	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	128	
- Code number	96	
- 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	

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
Message Type		
U-RNTI	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-RNTI	0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	REL-5
- U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
- Group identity	[FFS]	
- Group release information	[FFS]	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
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

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-RNTI	0000 0000 0000 0000 0001B	
New C-RNTI	Not Present	
RRC State Indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	9	
Capability update requirement		
- UE radio access FDD capability update requirement	TRUE	
- UE radio access TDD capability update requirement	FALSE	
- System specific capability update requirement list	GSM	
CHOICE <i>specification mode</i>	Complete specification	REL-5
- Complete specification		REL-5
- Signalling RB information to setup list	4 SRBs	
- Signalling RB information to setup	(UM DCCH for RRC)	
- RB identity	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	UM RLC	
- Transmission RLC discard	Not Present	
- CHOICE Downlink RLC mode	UM RLC	
- RB mapping info		
- Information for each multiplexing option	2 RBMuxOptions	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	DCH	
- UL Transport channel identity	5	
- Logical channel identity	1	
- CHOICE RLC size list	Configured	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	10	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	
- RLC logical channel mapping indicator	Not Present	
- Number of RLC logical channels	1	
- Uplink transport channel type	RACH	
- UL Transport channel identity	Not Present	
- Logical channel identity	1	
- CHOICE RLC size list	Explicit List	
- RLC size index	Reference to TS34.108 clause 6 Parameter Set	
- MAC logical channel priority	1	
- Downlink RLC logical channel info		
- Number of RLC logical channels	1	
- Downlink transport channel type	FACH	
- DL DCH Transport channel identity	Not Present	
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	1	

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



Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Signalling RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- RLC info   <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard   <ul style="list-style-type: none"> <li>- SDU discard mode   <ul style="list-style-type: none"> <li>- MAX_DAT</li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info   <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU   <ul style="list-style-type: none"> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows   <ul style="list-style-type: none"> <li>- Timer_poll_periodic</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE Downlink RLC mode   <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info   <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- RB mapping info                             <ul style="list-style-type: none"> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>-UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list                                     <ul style="list-style-type: none"> <li>- MAC logical channel priority</li> </ul> </li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type   <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> <li>- RLC logical channel mapping indicator                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list   <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info                                     <ul style="list-style-type: none"> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type   <ul style="list-style-type: none"> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>(AM DCCH for NAS_DT High priority)</p> <p>Not Present</p> <p>AM RLC</p> <p>No Discard</p> <p>15</p> <p>128</p> <p>500</p> <p>1</p> <p>200</p> <p>200</p> <p>Not Present</p> <p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>5</p> <p>3</p> <p>Configured</p> <p>3</p> <p>1</p> <p>DCH</p> <p>10</p> <p>Not Present</p> <p>3</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>3</p> <p>Explicit List</p> <p>Reference to TS34.108 clause 6</p> <p>Parameter Set</p> <p>3</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>3</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard</li> <li>- SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info</li> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<p>(AM DCCH for NAS_DT Low priority) Not Present</p> <p>AM RLC</p> <p>No Discard</p> <p>15</p> <p>128</p> <p>500</p> <p>1</p> <p>200</p> <p>200</p> <p>Not Present</p> <p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>5</p> <p>4</p> <p>Configured</p> <p>4</p> <p>1</p> <p>DCH</p> <p>10</p> <p>Not Present</p> <p>4</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>4</p> <p>Explicit List</p> <p>Reference to TS34.108 clause 6 Parameter Set</p> <p>4</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>4</p>	

Information Element	Value/remark	Version
UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE Mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfiguration information</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> <li>- 2bit CTFC</li> <li>- Power offset Information</li> <li>- CHOICE Gain Factors</li> <li>- CHOICE mode</li> <li>- Gain factor βc</li> <li>- Gain factor βd</li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> </ul>	Not Present FDD Not Present Normal Complete reconfiguration 2 bit CTFC 2 TFCs 0 computedGainFactors 0 FDD Not Present 1 signalledGainFactors FDD 15 15 0 FDD Not Present	
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport Format Information</li> <li>- RLC size</li> <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li> <li>- CHOICE Logical Channel List</li> <li>- Semi-static Transport Format Information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	1 DCH 5 Dedicated transport channels 96 bits 2 Not Present 0 Not Present 1 ALL 40 Convolutional 1/3 256 12	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> </ul>	Not Present FDD Same as UL	
Added or Reconfigured DL TrCH information list <ul style="list-style-type: none"> <li>- Added or Reconfigured DL TrCH information</li> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH Identity</li> <li>- DCH quality target</li> </ul>	1 DCH 10 SameAasUL DCH 5	

Information Element	Value/remark	Version
- BLER Quality value	-2.0	
Frequency info	Not Present	
Maximum allowed UL TX power	Not Present	
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- DPCCH power offset	-6dB	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- $\Delta_{ACK}$	Not Present	REL-5
- $\Delta_{NACK}$	Not Present	REL-5
- Ack-Nack repetition factor	Not Present	REL-5
- CHOICE mode	FDD	
- Scrambling code type	Long	
- Scrambling code number	0 (0 to 16777215)	
- Number of DPDCH	Not Present (1)	
- Spreading factor	256	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
Downlink information common for all radio links		
- Downlink DPCH info common for all RL		
- Timing Indication	Initialise	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- CHOICE mode	FDD	
- DPC mode	0 (single)	
- CHOICE mode	FDD	
- Power offset $P_{Pilot-DPCH}$	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	256	
- Fixed or Flexible Position	Fixed	
- TFCI existence	FALSE	
- CHOICE SF		
- Number of bits for Pilot bits	8	
- DPCH compressed mode info	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512	
Downlink information for per radio links list		
-Downlink information for each radio links		
- CHOICE mode	FDD	
- Primary CPICH info		
- Primary scrambling code	<a href="#">Reference to clause 6.1 "Default settings (FDD)"</a> <del>400</del>	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- CHOICE mode	FDD	
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value : Default DPCH Offset Value mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	256	

<b>Information Element</b>	<b>Value/remark</b>	<b>Version</b>
- Code number	192	
- Scrambling code change	Not Present	
- TPC combination index	0	
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	
- SCCPCH information for FACH	Not Present	

3GPP TSG-T1 Meeting #24

Tdoc # T1-041374

Toronto, Canada, 26 - 30 July 2004

CR-Form-v7
<b>CHANGE REQUEST</b>
# <b>34.108 CR 356</b> # rev - # Current version: <b>5.1.0</b> #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# HSDPA downlink code allocation		
<b>Source:</b>	# NEC		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 30/07/2004
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# Resolution of downlink code conflict between OCNS DPCH and S-CCPCH for RF testing.
<b>Summary of change:</b>	# The S-CCPCH is moved from code 1 to code 2. The HS-SCCH1 is moved to code 3.
<b>Consequences if not approved:</b>	# Downlink code collision can fail good UE.

<b>Clauses affected:</b>	# 7.3.6, 9.2.1						
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	X	X	X	X
Y	N						
X	X						
X	X						
<b>Other comments:</b>	# This CR is applicable for UE's supporting R'99 or later.						

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

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

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

Error! No text of specified style in document.

2

Error! No text of specified style in document.

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.

## 7.3.6 Test procedure for HSDPA RF Performance Requirement

### 7.3.6.1 Initial conditions

System Simulator

- 1 HS-DSCH cell, default parameters.

User Equipment

The UE shall initially be operated under 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 P-TMSI (PS) after the execution of the procedure described in 7.2.2.2

### 7.3.6.2 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	PS
- CN domain identity	GSM-MAP
- CHOICE CN Type	
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

Contents of System Information Block type 5 (FDD)

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



### 7.3.6.3 Procedure

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)
14	-->		RADIO BEARER SETUP COMPLETE	RRC
15	<-->			Perform test
16	<--		RRC CONNECTION RELEASE	RRC
17	-->		RRC CONNECTION RELEASE COMPLETE	RRC

### 7.3.6.4 Specific message contents

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

#### 7.3.6.4.1 ATTACH ACCEPT

This message is sent from the SS to the UE, used for the UE supporting PS only.

Contents of Attach Accept message: GMM

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

#### 7.3.6.4.2 RADIO BEARER SETUP

For step 13, the messages in clause 9.2 titled "Contents of RADIO BEARER SETUP message: AM or UM (HSDPA)" is used.

The configurations of the fixed reference channels for HSDPA RF tests are described in TS 34.121[2] Annex C for FDD and TS 34.122 [5] Annex C for TDD.

## 9.2.1 Default Message Contents for RF (FDD)

*<Unchanged Sections are skipped here>*

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

Information Element	Value/remark	Version
Message Type RRC transaction identifier Integrity check info <ul style="list-style-type: none"> <li>- message authentication code</li> <li>- RRC message sequence number</li> </ul> Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI New DSCH-RNTI New H-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity Signalling RB information to setup	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present Not Present Not Present Not Present Not Present '1010 1010 1010 1010' CELL_DCH Not Present Not Present Not Present	REL-5
RAB information for setup list <ul style="list-style-type: none"> <li>- RAB information for setup                             <ul style="list-style-type: none"> <li>- RAB info</li> <li>- RAB identity</li> </ul> </li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup                             <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info                                     <ul style="list-style-type: none"> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> </ul> </li> <li>- CHOICE RLC info type                                     <ul style="list-style-type: none"> <li>- CHOICE Uplink RLC mode   <ul style="list-style-type: none"> <li>- Transmission RLC discard</li> <li>- CHOICE SDU discard mode   <ul style="list-style-type: none"> <li>- MAX_DAT</li> </ul> </li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> </ul> </li> <li>- Polling info                             <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> </ul> </li> <li>- CHOICE Downlink RLC mode                             <ul style="list-style-type: none"> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info                                     <ul style="list-style-type: none"> <li>- Timer_status_prohibit</li> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> </ul> </li> </ul> </li> <li>- RB mapping info                             <ul style="list-style-type: none"> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> </ul> </li> </ul> </li></ul>	(high-speed AM DTCH for PS domain) 0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present UseT315  23  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  100 100 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 768  100 Not Present TRUE Not Present  2 RBmuxOptions Not Present	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- RLC size index</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<p>1 DCH 1 Not Present Configured 8  1 HS-DSCH Not Present Not Present 0 Not Present Not Present 1 RACH Not Present 7 Explicit list Reference to TS34.108 clause 6 Parameter Set 8  1 FACH Not Present Not Present 7</p>	
<p>RB information to be affected list Downlink counter synchronisation info</p>	<p>Not Present Not Present</p>	
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> <li>- CHOICE Gain Factors</li>   <li>- Gain factor <math>\beta_c</math></li>   <li>- Gain factor <math>\beta_d</math></li>   <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P<sub>p-m</sub></li> </ul> <p>Deleted UL TrCH information list</p>	<p>Not Present FDD Not Present  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set  Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) 0 FDD Not Present Not Present</p>	
<p>Added or Reconfigured UL TrCH information list Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> </ul>	<p>1 1 DCH added, 1 DCH reconfigured DCH 1  Dedicated transport channels</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	<p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>	
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	<p>FDD Not Present Not Present</p>	
<p>DL Transport channel information common for all transport channel</p> <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li>   <li>- CTFC</li>   <li>- Power offset information</li> </ul>	<p>Not Present FDD Explicit</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4 Parameter Set Not Present</p>	
<p>Deleted DL TrCH information</p>	<p>Not Present</p>	
<p>Added or Reconfigured DL TrCH information list</p> <p>Added or Reconfigured DL TrCH information</p>	<p>1 2 TrCHs(DCH for DCCH and HS-DSCH for</p>	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <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                             <ul style="list-style-type: none"> <li>- HARQ Info                                     <ul style="list-style-type: none"> <li>- Number of Processes</li> </ul> </li> <li>- CHOICE <i>Memory Partitioning</i></li> </ul> </li> <li>- Added or reconfigured MAC-d flow                             <ul style="list-style-type: none"> <li>- MAC-hs queue to add or reconfigure list                                     <ul style="list-style-type: none"> <li>- MAC-hs queue Id</li> <li>- MAC-d Flow Identity</li> <li>- T1</li> </ul> </li> <li>- MAC-hs window size</li> <li>- MAC-d PDU size Info                                     <ul style="list-style-type: none"> <li>- MAC-d PDU size</li> <li>- MAC-d PDU size index</li> </ul> </li> <li>- MAC-hs queue to delete list</li> </ul> </li> <li>- DCH quality target</li> </ul>	DTCH) DCH 10 Same as UL DCH 5  -2.0 HS-DSCH Not Present HS-DSCH  Reference to TS34.121 [2] Annex C Fixed Reference Channels Implicit  (one queue) 0 0 50????  Where is inter-TTI distance specified???? 16  Reference to TS34.121 [2] Annex C Fixed Reference Channels 0 Not present Not present	
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> <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>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- <math>\Delta_{ACK}</math></li> <li>- <math>\Delta_{NACK}</math></li> <li>- Ack-Nack repetition factor</li> <li>- CHOICE mode</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCI existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul> CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	Not Present 33dBm Uplink DPCH info  FDD -6dB 1 frame 7 frames Algorithm1 1dB 3 3 1 FDD Long 0 (0 to 16777215) Not Present (1) Reference to TS34.108 clause 6.10.2.4 Parameter Set TRUE Not Present(0) 1 FDD Not Present	REL-5 REL-5 REL-5
Downlink information common for all radio links <ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> <li>- Timing indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode</li> <li>- DPC mode</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPDCH}</math></li> </ul> </li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li> <li>- Fixed or Flexible Position</li> </ul>	Maintain Not Present  FDD 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- CHOICE SF</li> <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present	
Downlink HS-PDSCH Information <ul style="list-style-type: none"> <li>- HS-SCCH Info                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- DL Scrambling Code</li> <li>- HS-SCCH Channelisation Code Information   <ul style="list-style-type: none"> <li>- HS-SCCH Channelisation Code</li> <li>- <a href="#">HS-SCCH Channelisation Code</a></li> <li>- <a href="#">HS-SCCH Channelisation Code</a></li> <li>- <a href="#">HS-SCCH Channelisation Code</a></li> </ul> </li> </ul> </li> </ul> </li> <li>- Measurement Feedback Info                             <ul style="list-style-type: none"> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- POhdsch</li> <li>- CQI Feedback cycle, k</li> <li>- CQI repetition factor   <ul style="list-style-type: none"> <li>- <math>\Delta_{cqi}</math></li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE mode</li> </ul>	FDD  42 3 6 7  FDD 6 dB 2 ms 1 5 (corresponds to 0dB in relative power offset) FDD (no data)	
Downlink information per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode                             <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL</li> <li>- CHOICE mode                                     <ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> </li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> </ul> </li> <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>	FDD  100 Not Present Not Present TRUE  FDD Primary CPICH may be used Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  Not present <del>Reference to TS34.108 clause 6.10 Parameter Set</del> 256 Depends upon radio bearer used.192 No change 0 Not Present Not Present Not Present	REL-5

## CHANGE REQUEST

⌘ **34.108 CR 357** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Correction to test procedure for test cases using CELL_FACH state		
<b>Source:</b>	⌘ Rohde & Schwarz, Racal Instruments Wireless Solutions, NEC		
<b>Work item code:</b>	⌘	<b>Date:</b>	⌘ 30/07/2004
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	<p><i>Use <u>one</u> of the following categories:</i></p> <p><b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.</p>		<p><i>Use <u>one</u> of the following releases:</i></p> <p>Ph2 (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)  Rel-7 (Release 7)</p>

<b>Reason for change:</b>	⌘ a) For Cell_FACH state the system configuration is unclear
	b) The connection setup procedure is incorrect. 25.331 states: <div style="text-align: center; padding: 5px;">                     “if a multiplexing option that maps a logical channel corresponding to a TM-RLC entity onto RACH, CPCH, FACH or DSCH or HS-DSCH is included:-&gt;set the variable INVALID_CONFIGURATION to TRUE.”                 </div> Therefore the RB Setup message used in existing RF Spurious Emission test procedure is invalid. This invalid RB setup procedure is also not required.
	c) 34.109 is not clear whether RB test mode is deactivated on RRC connection release.
	d) S-CCPCH code conflict with OCNS DPCH (see T1-041327)
<b>Summary of change:</b>	⌘ a) The cell parameters under “Initial conditions” are changed from “default” to a unique set for this test now defined in 34.121. Relevant references are updated accordingly.
	b) The RB setup in the call procedure is removed.
	c) RB test mode deactivation in the call procedure is introduced.
	d) move S-CCPCH from code 1 to code 2
<b>Consequences if not approved:</b>	⌘ Rx Spurious Emission test cannot be executed because an invalid RB Setup message is used as part of the test procedure and the system configuration is unclear.

**Clauses affected:** ⌘ 7.3.5



<b>Other specs affected:</b>		<b>Y</b>	<b>N</b>		
	⌘		<b>X</b>	Other core specifications	⌘
		<b>X</b>		Test specifications	34.121
			<b>X</b>	O&M Specifications	
<b>Other comments:</b>	⌘	Subclause is shifted from 7.3.3 to 7.3.5, currently void. Therefore changes are not visible. However changes are visible in T1-041334 Subclause will be referred from 34.121 1. Spurious Emissions (6.8) 2. Cell Reselection in Cell_FACH, one frequency (8.3.5.1) 3. Cell Reselection in Cell_FACH, two frequencies (8.3.5.2) 4. Cell Reselection to GSM, two frequencies (8.3.5.3) 5. SFN-SFN observed time difference type 1 (8.7.5.1)			

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

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

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

## 7.3.5 ~~Void~~ Test procedure for test cases using CELL\_FACH state

### 7.3.5.1 Initial conditions

#### System Simulator

- 1 cell, with the settings defined in clause 6.8 of TS 34.121 [2] and clause 6.1.4 of the present document.

#### User Equipment

The UE shall be operated under RF test conditions.

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

### 7.3.5.2 Definition of system information messages

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

For SIB 1 the exceptions are given below.

For SIB 3 the exceptions are given in TS 34.121 [2] clause 6.8.4

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

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

#### Contents of System Information Block type 5 (FDD)

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

### 7.3.5.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	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		←	DEACTIVATE RB TEST MODE	TC
14		→	DEACTIVATE RB TEST MODE COMPLETE	TC
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		←	DEACTIVATE RB TEST MODE	TC
14		→	DEACTIVATE RB TEST MODE COMPLETE	TC
15		←	RRC CONNECTION RELEASE	RRC
16		→	RRC CONNECTION RELEASE COMPLETE	RRC

### 7.3.5.4 Specific message contents

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

Contents of Attach Accept message: GMM

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

The RRC connection setup is defined in 9.1.1 “Contents of RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH)”

CR-Form-v7
<h2 style="margin: 0;">CHANGE REQUEST</h2>
⌘ <b>34.108 CR 358</b> ⌘ <b>rev -</b> ⌘ Current version: <b>5.1.0</b> ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Varying DPCH Power Offset according to data transmission rate		
<b>Source:</b>	⌘ Anritsu Ltd & MCC 160		
<b>Work item code:</b>	⌘ N/A	<b>Date:</b>	⌘ 28/07/04
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ REL - 5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ With reference to the discussion outlined in T1-041302, the DPCH has a constant power offset of -5db as specified in 34.108. In 25.101, clause 8.2.3.1 (table 8.5 and 8.6), it suggests that the signal to interference ratio would change according to the transmission rate. As a result, it is not appropriate to use a constant DPCH power offset of -5db for all transmission rates. At higher transmission rate with a constant power offset, the BLER will be become too high causing instability on the DPCH transmission. This was in fact the case found in 8.4.1.1 and 8.4.1.7 when tested with 64k PS bearer. These two test cases fail intermittently.
<b>Summary of change:</b>	⌘ In clause 6.1.5, a new table 6.1.6 has been created to specify the DPCH Power Offset to be used for different data transmission rate.
<b>Consequences if not approved:</b>	⌘ Affected test cases will fail intermittently.

<b>Clauses affected:</b>	⌘ 6.1.5										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		⌘ 34.123-3 ATS
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<b>Other comments:</b>	⌘ Applicable for R99, Rel-4, Rel-5 This will require changes made to the current ATS.										

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

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

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

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

### 6.1.5 Reference Radio Conditions for signalling test cases (FDD)

The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.

Table 6.1.3 are the default settings for a non-suitable cell which is configured and always present whereas Table 6.1.4 is for a cell that is switched off. Cells configured according to Table 6.1.3 are for test cases in which it is necessary to make a cell unsuitable, and then subsequently make it suitable. This could be achieved by switching the cell off and then reconfiguration as in Table 6.1.4, but this takes a lot of time to do.

**Table 6.1.1: Default settings for a serving cell in a single cell environment**

Parameter	Unit	Cell 1
Cell type		Serving cell
UTRA RF Channel Number		Channel 1
Qqualmin	dB	-24
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60
NOTE 1: The power level is specified in terms of CPICH_Ec instead of CPICH_RSCP as RSCP is a receiver measurement and only CPICH_Ec can be directly controlled by the SS.		
NOTE 2: The cell fulfils TS 25.304, 5.2.3.1.2 and TS 25.133, 8.1.2.2.1.		

**Table 6.1.2: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment**

Parameter	Unit	Cell 1	Cell 2	Cell 4
Cell type		Serving cell	Suitable neighbour intra-frequency cell	Suitable neighbour inter-frequency cell
UTRA RF Channel Number		Channel 1	Channel 1	Channel 2
Qqualmin	dB	-24	-24	-24
Qrxlevmin	dBm	-81	-81	-81
UE_TXPWR_MAX_RACH	dBm	21	21	21
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60	-70	-70
NOTE 1: The power level is specified in terms of CPICH_Ec instead of CPICH_RSCP as RSCP is a receiver measurement and only CPICH_Ec can be directly controlled by the SS.				
NOTE 2: Both cells fulfil TS 25.304, 5.2.3.1.2 and TS 25.133, 8.1.2.2.1.				

**Table 6.1.3: Default settings for a non-suitable cell**

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84 MHz	-90
NOTE 1: The power level is specified in terms of CPICH_Ec instead of CPICH_RSCP as RSCP is a receiver measurement and only CPICH_Ec can be directly controlled by the SS.		
NOTE 2: The cell is not suitable according to TS 25.304, 5.2.3.1.2		

**Table 6.1.4: Default settings for a non-suitable "Off" cell**

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84 MHz	≤ -122
NOTE 1: The power level is specified in terms of CPICH_Ec instead of CPICH_RSCP as RSCP is a receiver measurement and only CPICH_Ec can be directly controlled by the SS.		
NOTE 2: The cell is not suitable according to TS 25.304, 5.2.3.1.2.		

&lt;&lt;&lt; Start of modification &gt;&gt;&gt;

**Table 6.1.5: Default power levels of physical channels relative to CPICH\_Ec**

Parameter	Unit	Level Idle mode	Level Connected mode
DPCH_Ec	dB	(NOTE)	<del>-5</del> See table 6.1.6
PCCPCH_Ec	dB		-2
SCCPCH_Ec	dB		-2
AICH_Ec	dB		-5
SCH_Ec	dB		-2
PICH_Ec	dB		-5
NOTE: This shall be less than -122 dBm to ensure the channel is considered as "off".			

**Table 6.1.6: Default power levels of DPCH\_Ec relative to CPICH\_Ec**

<u>Data Transmission Rate</u> <u>kbps</u>	<u>Level</u>
<u>12.2</u>	<u>-5</u>
<u>64</u>	<u>-2</u>
<u>144</u>	<u>+1</u>
<u>384</u>	<u>+5</u>

&lt;&lt;&lt; End of modification &gt;&gt;&gt;

CR-Form-v7

## CHANGE REQUEST

⌘ **TS 34.108 CR 359** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘	Corrections to default message for RADIO BEARER SETUP message in section 9.2.1 (HSDPA RF)	
<b>Source:</b>	⌘	Ericsson	
<b>Work item code:</b>	⌘	HSDPA	<b>Date:</b> ⌘ 2004-07-28
<b>Category:</b>	⌘	<b>F</b>	<b>Release:</b> ⌘ Rel-5
		Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="http://www.3gpp.org/Specs/tr21/900">TR 21.900</a> .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘	Editorial correction to default RADIO BEARER SETUP message for HSDPA RF testing in section 9.2.1 needed.
<b>Summary of change:</b>	⌘	Changes to RADIO BEARER SETUP message for HSDPA RF testing in section 9.2.1: 1. Cleaning up comments field for IE T1. 2. Adding missing version information for Rel-5 IEs.
<b>Consequences if not approved:</b>	⌘	Confusing text remains. Not all Rel-5 IEs are highlighted.

<b>Clauses affected:</b>	⌘	9.2.1								
<b>Other specs affected:</b>	⌘	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N		X		X		X
Y	N									
	X									
	X									
	X									
<b>Other comments:</b>	⌘									

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

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



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

## 9.2.1 Default Message Contents for RF (FDD)

### <Skip until modified message>

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

Information Element	Value/remark	Version
Message Type RRC transaction identifier Integrity check info <ul style="list-style-type: none"> <li>- message authentication code</li> <li>- RRC message sequence number</li> </ul> Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI New DSCH-RNTI New H-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity Signalling RB information to setup	Arbitrarily selects an integer between 0 and 3  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. SS provides the value of this IE, from its internal counter. Not Present Not Present Not Present Not Present Not Present Not Present '1010 1010 1010 1010' CELL_DCH Not Present Not Present Not Present Not Present	REL-5
RAB information for setup list <ul style="list-style-type: none"> <li>- RAB information for setup               <ul style="list-style-type: none"> <li>- RAB info</li> <li>- RAB identity</li> </ul> </li> <li>- CN domain identity</li> <li>- NAS Synchronization Indicator</li> <li>- Re-establishment timer</li> <li>- RB information to setup               <ul style="list-style-type: none"> <li>- RB identity</li> <li>- PDCP info                   <ul style="list-style-type: none"> <li>- Support for lossless SRNS relocation</li> <li>- Max PDCP SN window size</li> <li>- PDCP PDU header</li> <li>- Header compression information</li> </ul> </li> <li>- CHOICE RLC info type</li> <li>- CHOICE Uplink RLC mode</li> <li>- Transmission RLC discard                   <ul style="list-style-type: none"> <li>- CHOICE SDU discard mode</li> <li>- MAX_DAT</li> </ul> </li> <li>- Transmission window size</li> <li>- Timer_RST</li> <li>- Max_RST</li> <li>- Polling info                   <ul style="list-style-type: none"> <li>- Timer_poll_prohibit</li> <li>- Timer_poll</li> <li>- Poll_PDU</li> <li>- Poll_SDU</li> </ul> </li> <li>- Last transmission PDU poll</li> <li>- Last retransmission PDU poll</li> <li>- Poll_Windows</li> <li>- Timer_poll_periodic</li> <li>- CHOICE Downlink RLC mode</li> <li>- In-sequence delivery</li> <li>- Receiving window size</li> <li>- Downlink RLC status info</li> <li>- Timer_status_prohibit</li> </ul> </li> </ul>	(high-speed AM DTCH for PS domain) 0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity. PS domain Not Present UseT315  23  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  100 100 Not Present 1 TRUE TRUE 99 Not Present AM RLC TRUE 768  100	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Timer_EPC</li> <li>- Missing PDU indicator</li> <li>- Timer_STATUS_periodic</li> <li>- RB mapping info</li> <li>- Information for each multiplexing option</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list</li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- DL HS-DSCH MAC-d flow identity</li> <li>- Logical channel identity</li> <li>- RLC logical channel mapping indicator</li> <li>- Number of uplink RLC logical channels</li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> <li>- CHOICE RLC size list <ul style="list-style-type: none"> <li>- RLC size index</li> </ul> </li> <li>- MAC logical channel priority</li> <li>- Downlink RLC logical channel info</li> <li>- Number of downlink RLC logical channels</li> <li>- Downlink transport channel type</li> <li>- DL DCH Transport channel identity</li> <li>- DL DSCH Transport channel identity</li> <li>- Logical channel identity</li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>TRUE</li> <li>Not Present</li> <li>2 RBmuxOptions</li> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>1</li> <li>Not Present</li> <li>Configured</li> <li>8</li> <li>1</li> <li>HS-DSCH</li> <li>Not Present</li> <li>Not Present</li> <li>0</li> <li>Not Present</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>7</li> <li>Explicit list</li> <li>Reference to TS34.108 clause 6 Parameter Set</li> <li>8</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>7</li> </ul>	
RB information to be affected list	Not Present	
Downlink counter synchronisation info	Not Present	
<ul style="list-style-type: none"> <li>UL Transport channel information for all transport channels <ul style="list-style-type: none"> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- TFC subset</li> <li>- UL DCH TFCS</li> <li>- CHOICE TFCI signalling</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> </ul> </li> <li>- CTFC information</li> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <li>- Gain factor <math>\beta_c</math></li> <li>- Gain factor <math>\beta_d</math></li> </ul> </li> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset <math>P_{p-m}</math></li> </ul> Deleted UL TrCH information list	<ul style="list-style-type: none"> <li>Not Present</li> <li>FDD</li> <li>Not Present</li> <li>Normal</li> <li>Complete reconfiguration</li> <li>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.</li> <li>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</li> <li>Reference to TS34.108 clause 6.10.2.4 Parameter Set</li> <li>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</li> <li>11 (below 64 kbps)</li> <li>9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)</li> <li>15</li> <li>(Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)</li> <li>0</li> <li>FDD</li> <li>Not Present</li> <li>Not Present</li> </ul>	

Information Element	Value/remark	Version
Added or Reconfigured UL TrCH information list Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li>   <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li>   <li>- Number of TBs and TTI List</li> <li>- Transmission Time Interval</li> <li>- Number of Transport blocks</li>   <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li>   <li>- Type of channel coding</li>   <li>- Coding Rate</li>   <li>- Rate matching attribute</li>   <li>- CRC size</li> </ul>	1 1 DCH added, 1 DCH reconfigured DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	FDD Not Present Not Present	
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> <li>- SCCPCH TFCS</li> <li>- CHOICE mode</li> <li>- CHOICE DL parameters</li> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI Signalling</li> <li>- TFCI Field 1 Information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete reconfigure</li> <li>- CHOICE CTFC Size</li>   <li>- CTFC information</li> </ul>	Not Present FDD Explicit  Normal  Complete reconfiguration  Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4	

Information Element	Value/remark	Version
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set	
- Power offset information	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 DTCH)	
- Downlink transport channel type	DCH	
- DL Transport channel identity	10	
- CHOICE DL parameters	Same as UL	
- Uplink transport channel type	DCH	
- UL TrCH identity	5	
- DCH quality target	-2.0	
- BLER Quality value		
- Downlink transport channel type	HS-DSCH	<a href="#">Rel-5</a>
- DL Transport channel identity	Not Present	
- CHOICE DL parameters	HS-DSCH	
- HARQ Info		
- Number of Processes	Reference to TS34.121 [2] Annex C Fixed Reference Channels	<a href="#">Rel-5</a>
- CHOICE <i>Memory Partitioning</i>	Implicit	
- Added or reconfigured MAC-d flow		<a href="#">Rel-5</a>
- MAC-hs queue to add or reconfigure list	(one queue)	
- MAC-hs queue Id	0	
- MAC-d Flow Identity	0	
- T1	50????	
	<del>Where is inter-TTI distance specified????</del>	
- MAC-hs window size	16	
- MAC-d PDU size Info		
- MAC-d PDU size	Reference to TS34.121 [2] Annex C Fixed Reference Channels	
- 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	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
- $\Delta_{ACK}$	3	
- $\Delta_{NACK}$	3	
- Ack-Nack repetition factor	1	
- CHOICE mode	FDD	REL-5
- Scrambling code type	Long	REL-5
- Scrambling code number	0 (0 to 16777215)	REL-5
- Number of DPDCH	Not Present (1)	
- spreading factor	Reference to TS34.108 clause 6.10.2.4 Parameter Set	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
CHOICE Mode	FDD	
- Downlink PDSCH information	Not Present	
Downlink information common for all radio links		
- Downlink DPCH info common for all RL		
- Timing indicator	Maintain	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- CHOICE mode	FDD	
- DPC mode	0 (single)	
- CHOICE mode	FDD	

Information Element	Value/remark	Version
<ul style="list-style-type: none"> <li>- Power offset <math>P_{\text{Pilot-DPCH}}</math></li> <li>- DL rate matching restriction information</li> <li>- Spreading factor</li>   <li>- Fixed or Flexible Position</li>   <li>- TFCI existence</li>   <li>- CHOICE SF</li>   <li>- CHOICE mode</li> <li>- DPCH compressed mode info</li> <li>- TX Diversity mode</li> <li>- SSDT information</li> <li>- Default DPCH Offset Value</li> </ul>	0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Not Present	
Downlink HS-PDSCH Information <ul style="list-style-type: none"> <li>- HS-SCCH Info               <ul style="list-style-type: none"> <li>- CHOICE mode                   <ul style="list-style-type: none"> <li>- DL Scrambling Code</li> <li>- HS-SCCH Channelisation Code Information                       <ul style="list-style-type: none"> <li>- HS-SCCH Channelisation Code</li> </ul> </li> </ul> </li> </ul> </li> <li>- Measurement Feedback Info               <ul style="list-style-type: none"> <li>- CHOICE mode                   <ul style="list-style-type: none"> <li>- POhdsch</li> <li>- CQI Feedback cycle, k</li> <li>- CQI repetition factor                       <ul style="list-style-type: none"> <li>- <math>\Delta_{\text{CQI}}</math></li> </ul> </li> </ul> </li> </ul> </li> <li>- CHOICE mode</li> </ul>	FDD  1  FDD 6 dB 2 ms 1 5 (corresponds to 0dB in relative power offset) FDD (no data)	<a href="#">Rel-5</a> <a href="#">Rel-5</a> <a href="#">Rel-5</a> <a href="#">Rel-5</a>
Downlink information per radio link list <ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> <li>- CHOICE mode               <ul style="list-style-type: none"> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Serving HS-DSCH radio link indicator</li> <li>- Downlink DPCH info for each RL                   <ul style="list-style-type: none"> <li>- CHOICE mode                       <ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> </li> </ul> </li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li>   <li>- Code number</li> <li>- Scrambling code change</li> <li>- TPC combination index</li> <li>- SSDT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul> </li></ul>	FDD  100 Not Present Not Present TRUE  FDD Primary CPICH may be used Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400 Not Present  Not present Reference to TS34.108 clause 6.10 Parameter Set Set Depends upon radio bearer used. No change 0 Not Present Not Present Not Present	REL-5

<End of modified section>

CR-Form-v7

## CHANGE REQUEST

№ **34.108 CR 360** № rev **-** № Current version: **5.1.0** №

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the № symbols.

**Proposed change affects:** UICC apps №  ME  Radio Access Network  Core Network

<b>Title:</b>	№ Test SIB schedule for two S-CCPCH or two PRACH in 34.108		
<b>Source:</b>	№ Sasken Communication Technologies Limited		
<b>Work item code:</b>	№ TEI	<b>Date:</b>	№ 29/07/2004
<b>Category:</b>	№ <b>F</b>	<b>Release:</b>	№ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)	<b>2</b> (GSM Phase 2)	
	<b>A</b> (corresponds to a correction in an earlier release)	<b>R96</b> (Release 1996)	
	<b>B</b> (addition of feature),	<b>R97</b> (Release 1997)	
	<b>C</b> (functional modification of feature)	<b>R98</b> (Release 1998)	
	<b>D</b> (editorial modification)	<b>R99</b> (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<b>Rel-4</b> (Release 4)
			<b>Rel-5</b> (Release 5)
			<b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	№ Section 6.1.0a.4 of 34.108 "Test SIB schedule for two S-CCPCH or two PRACH" is marked as FFS. However table 104 and 105 of 34.123-3 provides the SIB schedule for two S-CCPCH or two PRACH.		
<b>Summary of change:</b>	№ Added Table 104 and 105 from 34.123-3 in the Section 6.1.0a.4 of 34.108		
	<b>Changes from T1041123</b> "Its mentioned explicitly that the Test SIB schedule is for FDD"		
<b>Consequences if not approved:</b>	№ Mismatch between 34.123-3 and 34.108		

<b>Clauses affected:</b>	№ 6.1.0a.4.1										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"> </td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> </table>	Y	N		X	X			X	Other core specifications	№ 34.108
Y	N										
	X										
X											
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	№										

### How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked № contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

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

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



## 6.1.0a.4.1 SIB schedule for two S-CCPCH or two PRACH (For FDD)

~~FPS~~**Table 1**

<b>Frame No.</b>	<u>0</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>14</u>
<b>REP-POS</b>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>		<u>MIB</u>	<u>SIB1</u>	<u>SIB18</u>	<u>SIB2</u>
<b>Frame No.</b>	<u>16</u>	<u>18</u>	<u>20</u>	<u>22</u>	<u>24</u>	<u>26</u>	<u>28</u>	<u>30</u>
<b>REP-POS</b>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB7</u>	<u>MIB</u>	<u>SIB3</u>		<u>SIB4</u>
<b>Frame No.</b>	<u>32</u>	<u>34</u>	<u>36</u>	<u>38</u>	<u>40</u>	<u>42</u>	<u>44</u>	<u>46</u>
<b>REP-POS</b>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB5</u>	<u>MIB</u>	<u>SIB5</u>	<u>SIB5</u>	<u>SIB5</u>
<b>Frame No.</b>	<u>48</u>	<u>50</u>	<u>52</u>	<u>54</u>	<u>56</u>	<u>58</u>	<u>60</u>	<u>62</u>
<b>REP-POS</b>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB7</u>	<u>MIB</u>	<u>SIB11</u>	<u>SIB11</u>	<u>SIB11</u>
<b>Frame No.</b>	<u>64</u>	<u>66</u>	<u>68</u>	<u>70</u>	<u>72</u>	<u>74</u>	<u>76</u>	<u>78</u>
<b>REP-POS</b>	<u>32</u>	<u>33</u>	<u>34</u>	<u>35</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>39</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB5</u>	<u>MIB</u>	<u>SIB5</u>	<u>SIB5</u>	<u>SIB5</u>
<b>Frame No.</b>	<u>80</u>	<u>82</u>	<u>84</u>	<u>86</u>	<u>88</u>	<u>90</u>	<u>92</u>	<u>94</u>
<b>REP-POS</b>	<u>40</u>	<u>41</u>	<u>42</u>	<u>43</u>	<u>44</u>	<u>45</u>	<u>46</u>	<u>47</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB7</u>	<u>MIB</u>	<u>SIB3</u>		<u>SIB4</u>
<b>Frame No.</b>	<u>96</u>	<u>98</u>	<u>100</u>	<u>102</u>	<u>104</u>	<u>106</u>	<u>108</u>	<u>110</u>
<b>REP-POS</b>	<u>48</u>	<u>49</u>	<u>50</u>	<u>51</u>	<u>52</u>	<u>53</u>	<u>54</u>	<u>55</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>		<u>MIB</u>			
<b>Frame No.</b>	<u>112</u>	<u>114</u>	<u>116</u>	<u>118</u>	<u>120</u>	<u>122</u>	<u>124</u>	<u>126</u>
<b>REP-POS</b>	<u>56</u>	<u>57</u>	<u>58</u>	<u>59</u>	<u>60</u>	<u>61</u>	<u>62</u>	<u>63</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB7</u>	<u>MIB</u>	<u>SIB12</u>	<u>SIB12</u>	<u>SIB12</u>

SIB-repeat period (in frame)**Table 2**

<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SIB1</u>	<u>SIB2</u>	<u>SIB3</u>	<u>SIB4</u>	<u>SIB5</u>	<u>SIB7</u>	<u>SIB11</u>	<u>SIB12</u>	<u>SIB18</u>
<b>SIB Rep</b>	<u>8</u>	<u>16</u>	<u>128</u>	<u>128</u>	<u>64</u>	<u>64</u>	<u>128</u>	<u>32</u>	<u>128</u>	<u>128</u>	<u>128</u>
<b>Max. No of seq.</b>	<u>1</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>8</u>	<u>1</u>	<u>3</u>	<u>3</u>	<u>1</u>

## CHANGE REQUEST

⌘ **34.108 CR 364** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Correction to Default Message Content for Radio Bearer Setup Message re: RM Attribute values		
<b>Source:</b>	⌘ Anite		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 09/08/2004
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	<i>Use one of the following categories:</i> <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<i>Use one of the following releases:</i> <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>Rel-4</b> (Release 4) <b>Rel-5</b> (Release 5) <b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	⌘ TS 34.108 section 6.10 states:  "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."  Further, as per 34.108 section 6.10.2.4.1.2.2.1.1:  The RM attribute in the DL should be in the range 155-230, whereas in the UL as per section 6.10.2.4.1.2.1.1.1 it should be in the range 155-185. Thus, taken together these clauses mean that different "mid-values" should be chosen for UL and DL.  However, in the currently approved TTCN sometimes a common UL and DL RM Attribute value has been used, while at other times different mid-values have been used.  This CR (together with T1-0414xx) describes (in the prose) the current situation in the TTCN and thereby establishes consistency between the prose description and the TTCN.  Note: This issue was originally addressed in T1-041025 at T1#24.
<b>Summary of change:</b>	⌘ 1. Modify the statement in clause 6.10 to permit a common RM attribute

value to be used (under certain specified circumstances) in UL and DL even though the UL and DL RM attribute ranges are different.

**Consequences if not approved:** ⌘ Inconsistency will remain between the Test Specifications and the TTCN.

**Clauses affected:** ⌘ 6.10

**Other specs affected:**

Y	N
	X
X	
	X

Other core specifications  
Test specifications  
O&M Specifications

⌘ 34.123-1 (T1-0414xx)

**Other comments:** ⌘ Affects R99, Rel-4 and Rel-5 UEs T1-0414xx and this CR are both needed in order to achieve the intended consistency between TTCN and prose description.

### 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 <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

## 6.10 Reference Radio Bearer configurations used in Radio Bearer interoperability testing

The reference radio bearer configurations are typical configurations of the radio interface. This sub-set of the mandatory set of radio bearer configurations supported by the UE is intended to be used as test configurations for testing of the UE. The purpose of the reference radio bearer configurations is to ensure interoperability of UE's in different regions and networks.

The reference radio bearer configurations are used in the radio bearer interoperability test cases, clause 14 of TS 34.123-1 [1]. The reference radio bearer configurations are also intended to be the first choice for other test cases where a radio bearer configuration is needed. For test cases requiring alternative configurations not provided by the reference radio bearer configurations then these specific radio bearer configurations are either specified in the actual test case itself; or in case the configurations are used by more than one test case then these common radio bearer configurations are specified in clause 6.11 of the present document.

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. However, in the case of UL and DL :3.4 kbps SRBs for DCCH and where the Choice 'Same As UL' is used for the IE 'DL Transport channel information common for all transport channel', the RM attribute for the 'DL:3.4 kbps SRBs for DCCH' shall be set to the same value as that used in the Uplink.