

**Source:** T1  
**Title:** CR's to TS 34.108 v3.9.0 and v4.4.0 for approval  
**Agenda item:** 5.1.3  
**Document for:** Approval

This document contains 14 CRs to TS 34.108 v3.9.0, 15 CRs to TS 34.108 v4.4.0. These CRs have been agreed by T1 and are put forward to TSG T for approval.

*CRs related to general corrections to R99 and Rel-4:*

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	143	-	R99	Correction to default messages in 9.1 and 9.2	F	3.9.0	3.10.0	T1-020657	-
34.108	144	-	Rel-4	Correction to default messages in 9.1 and 9.2	A	4.4.0	4.5.0	T1-020658	TEI
34.108	147	-	R99	Addition of alternative configuration using Turbo Coding for Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	F	3.9.0	3.10.0	T1-020693	-
34.108	148	-	Rel-4	Addition of alternative configuration using Turbo Coding for Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	A	4.4.0	4.5.0	T1-020694	TEI
34.108	149	-	R99	Correction to content of sub-clause 6.10.2	F	3.9.0	3.10.0	T1-020708	-
34.108	150	-	Rel-4	Correction to content of sub-clause 6.10.2.	A	4.4.0	4.5.0	T1-020709	TEI
34.108	151	-	R99	Correction to SIB 11/12 definition	F	3.9.0	3.10.0	T1-020711	-
34.108	152	-	Rel-4	Correction to SIB 11/12 definition	A	4.4.0	4.5.0	T1-020712	TEI
34.108	153	-	R99	Reference Measurement Channels	F	3.9.0	3.10.0	T1-020767	-
34.108	154	-	Rel-4	Reference Measurement Channels	A	4.4.0	4.5.0	T1-020768	TEI
34.108	155	-	R99	Transferring system information definition using ASN.1 description to PRD	F	3.9.0	3.10.0	T1-020777	-
34.108	156	-	Rel-4	Transferring system information definition using ASN.1 description to PRD	A	4.4.0	4.5.0	T1-020778	TEI
34.108	159	-	R99	Default Message contents : Correction from CRs approved in RP17meeting	F	3.9.0	3.10.0	T1-020782	-
34.108	160	-	Rel-4	Default Message contents : Correction from CRs approved in RP17meeting	A	4.4.0	4.5.0	T1-020783	TEI
34.108	161	-	R99	Corrections to SIB1 to SIB6	F	3.9.0	3.10.0	T1-020798	-
34.108	162	-	Rel-4	Corrections to SIB1 to SIB6	A	4.4.0	4.5.0	T1-020799	TEI
34.108	167	-	R99	Addition to clause 7.4 for multi call as T1S-020576rev2 (revision to T1S020819)	F	3.9.0	3.10.0	T1-020817	-
34.108	168	-	Rel-4	Addition to clause 7.4 for multi call as T1S-020577rev2 (revision to T1S020820)	A	4.4.0	4.5.0	T1-020818	TEI
34.108	169	-	Rel-4	RAB Combinations for IMS Services	F	4.4.0	4.5.0	T1-020819	TEI
34.108	170	-	R99	Correction to Contents of the Scheduling Block System Information in clause 6.1.3.	F	3.9.0	3.10.0	T1-020843	-
34.108	171	-	Rel-4	Correction to Contents of the Scheduling Block System Information in clause 6.1.3.	A	4.4.0	4.5.0	T1-020844	TEI

*CRs related to reference RAB configurations R99 and Rel-4:*

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	157	-	R99	Correction to RLC RAB TFCS	F	3.9.0	3.10.0	T1-020779	-
34.108	158	-	Rel-4	Correction to RLC RAB TFCS	A	4.4.0	4.5.0	T1-020780	TEI
34.108	163	-	R99	Correction to RAB configurations as revision of T1S020755	F	3.9.0	3.10.0	T1-020800	-

34.108	164	-	Rel-4	Correction to RAB configurations as revision of T1S020756	A	4.4.0	4.5.0	T1-020801	TEI
34.108	165	-	R99	Parameter addition for Reference RABs based on LS from RAN2	F	3.9.0	3.10.0	T1-020802	-
34.108	166	-	Rel-4	Parameter addition for Reference RABs based on LS from RAN2	A	4.4.0	4.5.0	T1-020803	TEI

*CRs related to TDD mode R99 and Rel-4:*

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	145	-	R99	Corrections in the TDD test frequencies according to core specs	F	3.9.0	3.10.0	T1-020673	-
34.108	146	-	Rel-4	Corrections in the TDD test frequencies according to core specs	A	4.4.0	4.5.0	T1-020674	TEI, LCRTDD

3GPP TSG- T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1-020657

3GPP TSG- T1 SIG Meeting #25  
Singapore, 18<sup>th</sup> – 20<sup>th</sup> Sept 2002

Tdoc # T1S-020552

CR-Form-v7

## CHANGE REQUEST

⌘ **34.108 CR 143** ⌘ rev **-** ⌘ Current version: **3.9.0** ⌘

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 messages in 9.1 and 9.2		
<b>Source:</b>	⌘ Ericsson, Panasonic		
<b>Work item code:</b>	⌘ -	<b>Date:</b>	⌘ 17/09/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
	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>Alignment of layer 2 parameters for RADIO BEARER SETUP message for TDD according to what agreed in CR (T1-020278) at previous meetings for FDD.</li> <li>Alignment of layer 2 parameter Timer_EPC for RADIO BEARER SETUP message for RF testing according to what have been agreed in CR (T1-020278) at previous meetings for FDD</li> <li>Correction of implementation of CR to RRC CONNECTION SETUP message for TDD (MAX_DAT) parameter.</li> <li>Using a MAX_RST value higher than 1 for signalling radio bearers allows RLC reset procedures to be executed on the SRBs, thus enabling message loss which is not taken into account by the higher layer protocols. Therefore MAX_RST it should use a value of "1" to be representative for what will be used in live networks</li> <li>DPCH frame offset shall be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400 in some RRC message.</li> <li>URA identity in CELL UPDATE CONFIRM message should be 16 bit length.</li> <li>Alignment with TS 25.331, changes introduced in CR 1573</li> </ol>
<b>Summary of change:</b> ⌘	New changes introduced since draft CR was distributed on T1/SIG e-mail reflector are colour coded. Yellow indicate changes from Panasonic. Blue indicate additional changes from Ericsson.

### Changes to 9.1.1 (Default RRC messages for FDD):

1. RRC CONNECTION SETUP message: UM (Transition to CELL\_DCH):
  - a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.
2. RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH)
  - a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.
3. RADIO BEARER SETUP message: AM or UM (Speech in CS)
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
4. RADIO BEARER SETUP message: AM or UM (Packet to CELL\_DCH from CELL\_DCH in PS)
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
5. RADIO BEARER SETUP message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
6. RADIO BEARER RECONFIGURATION message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
7. RADIO BEARER RELEASE message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
8. TRANSPORT CHANNEL RECONFIGURATION message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
9. CELL UPDATE CONFIRM message:UM
  - a. URA identity is set to "0000 0000 0000 0001".

### 10. MEASUREMENT REPORT

- a. IE SFN-SFN observed time difference is removed

### 11. PHYSICAL CHANNEL RECONFIGURATION

- a. The setting of IE DPCH frame offset has been aligned with how the value is specified in the RADIO BEARER messages (adding the comment "as currently stored in SS")
- b. The entry for IE Downlink information for each radio links currently defined for A1,A2,A3 and A4 have been splitted to separate entries; one for the case the IE DPCH Offset Value is included (A1,A2,A3) and one for the case when the IE is not included (A4).

### Changes to 9.1.2 (Default messages for TDD)

12. "RADIO BEARER SETUP message: AM or UM (Packet to CELL\_DCH from CELL\_DCH in PS)":
  - a. SDU discard mode changed to "Not Present"

- b. MAX\_DAT changed from 4 to 15
- c. IEs Timer\_MRW and MaxMRW removed
- d. Transmission and receiving window size changed from 8 to 128
- e. IE "Poll\_PDU" added and set to "Not Present"
- f. IE "Timer\_EPC" changed from 200 to "Not Present"

13. RRC CONNECTION SETUP message: UM (Transition to CELL\_DCH)

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.
- b. IE "MAX\_DAT" changed from 415 to 15. The value 15 has been agreed to be a relevant value.

14. RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH)

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.

**Changes to 9.2 (Default messages for RF)**

15. RADIO BEARER SETUP message: AM or UM:

- a. for acknowledge mode case (A3): The IE "Timer\_EPC" is set to "Not present". The EPC function can not be used for RBs with more than one logical channel per transport channel, since this is not covered by the core specification. The same change has been earlier been applied to RADIO BEARER SETUP messages in 9.1
- b. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400..

16. RRC CONNECTION SETUP message: UM.

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.

**Consequences if not approved:** ☼ Default messages inconsistent and not representative for values used in live networks.

**Clauses affected:** ☼ 9

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

**Other comments:** ☼

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

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

- 1) Fill out the above form. The symbols above marked ☼ 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	Arbitrarily selects one integer between 0 to 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	now
Activation time	Not Present
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
SSTD information	Not Present

## 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	The presence of this IE is dependent on Ixit statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on Ixit statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
U-RNTI	Checked to see if it is set to the following values 0000 0000 0001B 0000 0000 0000 0000 0001B
- SRNC identity	
- S-RNTI	
RRC transaction identifier	Checked to see if it is absent
Integrity check info	The presence of this IE is dependent on Ixit statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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 – 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	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	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 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 Integrity check info  - Message authentication code  - RRC Message sequence number CN domain identity NAS message	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. CS domain or PS domain See Specific Message Content for each test case

## Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark
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 Measured results on RACH	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 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 to bits b14 through b23 of the P-TMSI. The TMSI/ P-TMSI bits are numbered from b0 to b31, with bit b0 being the least significant. FALSE Set according to that indicated in specific message content for each test case Not checked Not checked

## Contents of MEASUREMENT CONTROL message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- Message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	1
Measurement Identity	
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	
- 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	
- SFN-SFN observed time difference reporting indicator	No report
- 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 active set cells	
- SFN-SFN observed time difference reporting indicator	No report
- 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
- Maximum number of reported cells	2
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
- SFN-SFN observed time difference	Checked that this IE is absent
- 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/NO	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

## 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	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 (Packet in 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 PAGING TYPE 1 message: TM (SMS in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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 The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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
Message Type	A1, A2, A3, A4, A5, A6	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info		SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code		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	A1, A2, A3, A4	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	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
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
Frequency info		Reference to clause 5.1 Test frequencies
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		33dBm
Maximum allowed UL TX power		
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		-6dB
- DPCH power offset		1 frame
- PC Preamble		7 frames
- SRB delay		Algorithm1
- Power Control Algorithm		1dB
- TPC step size		Long
- Scrambling code type		0 (0 to 16777215)
- Scrambling code number		Not Present(1)
- Number of DPDCH		Reference to TS34.108 clause 6.10
- spreading factor		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
- Number of FBI bit		Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10
CHOICE Mode	A1, A2, A3, A4, A5, A6	FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3	Maintain
- Downlink DPCH info common for all RL		Not Present
- Timing indicator		
- CFN-targetSFN frame offset		
- Downlink DPCH power control information		
- DPC mode		0 (single)

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Power offset <math>P_{\text{Pilot-DPDCH}}</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>		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
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-DPDCH}}</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
Downlink information common for all radio links	A5, A6	Not Present
Downlink information for each radio links <ul style="list-style-type: none"> <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</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>- Power offset <math>P_{\text{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, A4	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  FDD Primary CPICH may be used Set to value : Default DPCH Offset Value (as currently stored in SS) mod 38400 0 Not Present  5 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present
Downlink information for each radio links <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul>	A4	FDD  Ref. to the Default setting in TS34.108 clause



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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> </ul>		6.1 (FDD) Not Present Not Present FDD Primary CPICH may be used Set to value : Default DPCH Offset Value mod 38400 0 Not Present 5 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present
<ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPCH}</math></li> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> </ul>		
<ul style="list-style-type: none"> <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>- Downlink information for each radio link</li> <li>- Choice mode</li> <li>- Primary CPICH info</li> <li>- Primary scrambling code</li> </ul>	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not Present Not Present
<ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL</li> <li>- SCCPCH Information for FACH</li> </ul>		
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	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 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 COUNT-C activation time	Not checked FDD The UE shall include this IE if the following two conditions are fulfilled: (a) The PHYSICAL CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The PHYSICAL CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 (Speech in CS)

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	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	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	Not Present
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	2

Information Element	Value/remark
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not 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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor $\beta_c$	11 (below 64 kbps)
- Gain factor $\beta_d$	9 (higher than 64 kbps)
- Reference TFC ID	(Not Present if the above is set to Computed Gain Factors)
- CHOICE mode	15
- Power offset P p-m	(Not Present if the above is set to Computed Gain Factors)
Deleted TrCH information list	0
Added or Reconfigured TrCH information list	FDD
- Added or Reconfigured UL TrCH information	Not Present
- Uplink transport channel type	Not Present
- UL Transport channel identity	3 DCHs added, 1 DCH reconfigured
- TFS	DCH
	1

Information Element	Value/remark
<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> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>	<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>2</p>
<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>- 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>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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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>
<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>- 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>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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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>5</p>
<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>- 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>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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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>

Information Element	Value/remark
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	Same as UL
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	1
- DCH quality target	
- BLER Quality value	-2.0
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	3
- DCH quality target	
- BLER Quality value	Not Present
- 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	33dBm
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
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	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	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{Pilot-DPDCH}$	0
- DL rate matching restriction information	Not Present

Information Element	Value/remark
<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>- 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>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>
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>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>FDD</li> <li>Reference to clause 6.1 "Default settings (FDD)"</li> <li>Not Present</li> <li>Not Present</li> <li>Primary CPICH may be used</li> <li><u>Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips</u></li> </ul>
<ul style="list-style-type: none"> <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>Not Present</li> <li>1</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>0</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 (Packet to CELL\_DCH from CELL\_DCH in PS)

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	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	$(256 + \text{CFN} - (\text{CFN} \text{ MOD } 8 + 8)) \text{ MOD } 256$
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	
- RAB info	
- RAB identity	0000 0101B
- 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	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present



Information Element	Value/remark
- CHOICE RLC size list	Configured
- MAC logical channel priority	8
- 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	1
- Number of downlink RLC logical channels	FACH
- Downlink transport channel type	Not Present
- 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	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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor $\beta_c$	11 (below 64 kbps)
- Gain factor $\beta_d$	9 (higher than 64 kbps)
- Reference TFC ID	(Not Present if the above is set to Computed Gain Factors)
- CHOICE mode	15
- Power offset P <sub>p-m</sub>	(Not Present if the above is set to Computed Gain Factors)
Deleted TrCH information list	0
Added or Reconfigured TrCH information list	FDD
- Added or Reconfigured UL TrCH information	Not Present
- Uplink transport channel type	Not Present
- UL Transport channel identity	1 DCH added, 1 DCH reconfigured
- TFS	DCH
- CHOICE Transport channel type	1
- Dynamic Transport format information	Dedicated transport channels
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- 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

Information Element	Value/remark
<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>- 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>	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>- Transmission Time Interval</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Number of Transport blocks</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>- Number of Transport blocks</li> </ul>	(This IE is repeated for TFI number.)
<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>	
<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
CHOICE mode	FDD
<ul style="list-style-type: none"> <li>- CPCH set ID</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Added or Reconfigured TrCH information for</li> </ul>	Not Present
DRAC list	
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>	FDD
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Explicit
<ul style="list-style-type: none"> <li>- DL DCH TFCS</li> </ul>	
<ul style="list-style-type: none"> <li>- CHOICE TFCl signalling</li> </ul>	Normal
<ul style="list-style-type: none"> <li>- TFCl Field 1 information</li> </ul>	
<ul style="list-style-type: none"> <li>- CHOICE TFCS representation</li> </ul>	Complete reconfiguration
<ul style="list-style-type: none"> <li>- TFCS complete reconfigure</li> </ul>	
<ul style="list-style-type: none"> <li>- CHOICE CTFC Size</li> </ul>	
<ul style="list-style-type: none"> <li>- CTFC information</li> </ul>	This IE is repeated for TFC numbers and reference to
<ul style="list-style-type: none"> <li>- CTFC</li> </ul>	TS34.108 clause 6.10.2.4
<ul style="list-style-type: none"> <li>- Power offset information</li> </ul>	Reference to TS34.108 clause 6.10.2.4 Parameter Set
Deleted TrCH information list	Not present
Added or Reconfigured TrCH information list	Not Present
<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>	6
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Explicit
<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>	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>- Transmission Time Interval</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Number of Transport blocks</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<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 6.10 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>	-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>	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>	

Information Element	Value/remark
- BLER Quality value	-2.0
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	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	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{Pilot-DPCH}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	<u>Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips</u>
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
- Scrambling code change	No change
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

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

Information Element	Condition	Value/remark
Message Type	A1, A4, A5, A6, A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, A4, A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A4, A7, A8	Not Present
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1, A4, A7, A8	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A4, A5, A6, A7, A8	Not Present
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup	A1, A7	
- RAB info		0000 0001B
- RAB identity		CS domain
- CN domain identity		Not Present
- NAS Synchronization Indicator		useT314
- Re-establishment timer		
- 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
RAB information for setup	A8	
- RAB info		

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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               <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 RLC size list</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</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>- 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 RLC size list</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</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>- 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 RLC size list</li> </ul>		0000 0001B CS domain Not Present useT315  10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 1 Not Present Configured 6  1 DCH 6 Not Present Not Present 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 12 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE  Not Present 1 DCH 3 Not Present Configured

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>6</p> <p>1</p> <p>DCH</p> <p>8</p> <p>Not Present</p> <p>Not Present</p>
<p>RAB information for setup</p> <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</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>- 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> </ul>	A4, A5, A6	<p>(AM DTCH for PS domain)</p> <p>0000 0101B</p> <p>PS domain</p> <p>Not Present</p> <p>useT315</p> <p>20</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> <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>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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		Set 8  1 FACH Not Present Not Present 7
RB information to be affected	A1, A4, A5, A6,A7,A8	Not Present
Downlink counter synchronisation info	A1, A4, A5, A6,A7,A8	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 <math>P_{p-m}</math></li> </ul> Deleted UL TrCH information	A1,A4,A5, A6, A7,A8	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 <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> </ul>	A1, A4, A5, A6,A7,A8 A1	Not Present Not Present  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	Condition	Value/remark
<ul style="list-style-type: none"> <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 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> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> </ul>	<p>A4,A5,A6, A7</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH)</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 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 Reference to TS34.108 clause 6.10 Parameter Set</p> <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</p>



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</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
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> <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> </ul>	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 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 Reference to TS34.108 clause 6.10 Parameter Set DCH 2 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
<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> </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>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.)</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>	A1, A4, A5, A6,A7,A8	<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> </ul>	A1,A7,A8	<p>Not Present</p> <p>FDD</p> <p>SameasUL</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>	A4,A5,A6	<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>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> </ul>	A1, A4, A5, A6,A7,A8 A1	<p>Not Present</p> <p>1 DCH added, 1 DCH reconfigured</p> <p>DCH</p> <p>6</p>



Information Element	Condition	Value/remark
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target		-2.0
- BLER Quality value		DCH
- Downlink transport channel type		7
- DL Transport channel identity		Explicit
- CHOICE DL parameters		Dedicated transport channel
- TFS		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Transport channel type		(This IE is repeated for TFI number.)
- Dynamic transport format information		Not Present
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		Reference to TS34.108 clause 6.10 Parameter Set
- Dynamic transport format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target		Reference to TS34.108 clause 6.10 Parameter Set
- BLER Quality value		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		8
- CHOICE DL parameters		Explicit
- TFS		Dedicated transport channel
- CHOICE Transport channel type		Reference to TS34.108 clause 6.10 Parameter Set
- Dynamic transport format information		(This IE is repeated for TFI number.)
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		Reference to TS34.108 clause 6.10 Parameter Set
- Dynamic transport format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target		Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
- BLER Quality value		Not Present
Frequency info - UARFCN uplink (Nu) - UARFCN downlink (Nd)	A1, A4, A5, A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement  - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor  - TFCI existence  - Number of FBI bit  - Puncturing Limit	A1, A4, A7, A8	Uplink DPCH info  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode  - Downlink PDSCH information	A1, A4, A5, A6,A7,A8	FDD Not Present
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 - <b>Default DPCH Offset Value</b>	A1	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 FDD Not Present None Not Present <b>Not Present</b>
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	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		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 information common for all radio links	A5,A6	Not Present
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>- 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>	A1	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used <u>Set to value Default DPCH Offset Value ( as currently stored in SS) mod 384000-chips</u>  Not Present  1 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               <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>- 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>	A4,A7,A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used Set to value : Default DPCH Offset Value mod 38400  Not Present  1 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               <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>- 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 Not present Not Present

Information Element	Condition	Value/remark
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 - Downlink DPCH info for each RL - SCCPCH information for FACH	A6	FDD  Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present

Condition	Explanation
A1 A2 is defined in message "RADIO BEARER SETUP message: AM or UM (Speech in CS)".  A3 is defined in message "RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)".  A4 A5 A6 A7 A8	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS" This IE need for "Speech to CELL_DCH from CELL_DCH in CS"  This IE need for "Packet to CELL_DCH from CELL_DCH in PS"  This IE need for "Packet to CELL_DCH from CELL_FACH in PS" This IE need for "Packet to CELL_FACH from CELL_DCH in PS" This IE need for "Packet to CELL_FACH from CELL_FACH in PS" This IE need for "Non speech to CELL_DCH from CELL_FACH in CS" This IE need for "Speech to CELL_DCH from CELL_FACH in CS"

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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 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 or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent. 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. Not checked
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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. The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub-IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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
Message Type	A1,A2,A3, A4,A5,A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, A4	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
Activation time	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
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
RAB information to reconfigure list		Not Present
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		10

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 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
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> </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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		<p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for RRC)</p> <p>2</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT High priority)</p> <p>3</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT Low priority)</p> <p>4</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DTCH)</p> <p>20</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> <p>- Reference TFC ID</p> <p>- CHOICE mode</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 <a href="#">ComputedGain Factors</a>)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to <a href="#">ComputedGain Factors</a>)</p> <p>0</p> <p>FDD</p>

Information Element	Condition	Value/remark
- Power offset P <sub>p-m</sub>		Not Present
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6	Not Present
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
- Uplink transport channel type		Dedicated transport channels
- UL Transport channel identity		Reference to TS34.108 clause 6.10 Parameter Set
- TFS		(This IE is repeated for TFI number.)
- CHOICE Transport channel type		Not Present
- Dynamic Transport format information		Reference to TS34.108 clause 6.10 Parameter Set
- RLC Size		Set
- Number of TBs and TTI List		All
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Set
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		Dedicated transport channels
- CHOICE Transport channel type		Reference to TS34.108 clause 6.10 Parameter Set
- Dynamic Transport format information		Set
- RLC Size		(This IE is repeated for TFI number.)
- Number of TBs and TTI List		Not Present
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Set
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH) DCH 1
- Uplink transport channel type		Dedicated transport channels
- UL Transport channel identity		Reference to TS34.108 clause 6.10 Parameter Set
- TFS		Set
- CHOICE Transport channel type		(This IE is repeated for TFI number.)
- Dynamic Transport format information		Not Present
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		Set
- Transmission Time Interval		All
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		Set
- Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
<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> </ul>		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 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> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		Set Reference to TS34.108 clause 6.10 Parameter Set 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 -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,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
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>- 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 -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter 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 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> </ul>	A1, A2, A3	

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		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
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 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
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 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>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> </li> <li>- Secondary CPICH info               <ul style="list-style-type: none"> <li>- Secondary scrambling code</li> <li>- channelisation code</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>	A1, A2, A3	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used <u>Set to value Default DPCH Offset Value ( as currently stored in SS) mod 384000-chips</u> Not Present  2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present
Downlink information per radio link list	A4	

Information Element	Condition	Value/remark
<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>- Downlink DPCH info for each RL               <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               <ul style="list-style-type: none"> <li>- Secondary scrambling code</li> <li>- channelisation code</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>- SSST Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used</p> <p>Set to value : Default DPCH Offset Value mod 38400</p> <p>Not Present</p> <p>2</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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>- Downlink DPCH info for each RL               <ul style="list-style-type: none"> <li>- SCCPCH Information for FACH</li> </ul> </li> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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>- Downlink DPCH info for each RL               <ul style="list-style-type: none"> <li>- Secondary CCPCH info</li> </ul> </li> </ul>	A6	<p>FDD</p> <p>Different from the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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 RADIO BEARER 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 RADIO BEARER RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 List	Not checked

## Contents of RADIO BEARER 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 RADIO BEARER RECONFIGURATION COMPLETE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	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 reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

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

Information Element		Value/remark
Message Type	A1, A2, A3, A4, A5, A6, A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, A4, A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6, A7, A8	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1,A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6, A7, A8	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
CN information info		Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release	A1,A2, A7, A8	
- RB identity		10
RB information to release	A2, A8	
- RB identity		11
RB information to release	A2, A8	
- RB identity		12
RB information to release	A3, A4, A5, A6	
- RB identity		20
RB information to be affected	A1,A2, A3,A4,A5, A6, A7, A8	Not Present
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
UL Transport channel information for all transport channels	A1, A2, A3, A4	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1,A2, A3, A5,A7, A8	
- Uplink transport channel type		DCH
- Transport channel identity		1
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type		DCH
- Transport channel identity		2

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

Information Element		Value/remark
	A8	
CHOICE channel requirement <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- DPCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</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 <ul style="list-style-type: none"> <li>-6dB</li> <li>1 frame</li> <li>7 frames</li> <li>Algorithm1</li> <li>1dB</li> <li>Long</li> <li>0 (0 to 16777215)</li> <li>Not Present(1)</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> </ul>
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6, A7, A8	FDD <ul style="list-style-type: none"> <li>Not Present</li> </ul>
Downlink information common for all radio links	A5, A6, A7, A8	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 <ul style="list-style-type: none"> <li>Not Present</li> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>
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> </ul>	A4	Initialise <ul style="list-style-type: none"> <li>Not Present</li> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> </ul>

Information Element		Value/remark
- Default DPCH Offset Value		Arbitrary set to value 0..306688 by step of 512
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 - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  Primary CPICH may be used <u>Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips</u> Not Present  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 - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  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
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH	A5, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present
- Downlink information for each radio link	A6	Not Present

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

## Contents of RADIO BEARER RELEASE COMPLETE message: AM

Message Type	<p>Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.</p> <p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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>Not checked.</p> <p>FDD</p> <p>The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER RELEASE message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER RELEASE message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.</p> <p>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.</p> <p>Not checked</p>
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	

## Contents of RADIO BEARER RELEASE FAILURE message: AM

Information Element	Value/remark
Message Type	<p>Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RELEASE message.</p> <p>The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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</p> <p>Not checked</p>
RRC transaction identifier	
Integrity check info	
- Message authentication code	
- RRC Message sequence number	
Failure cause	
Radio bearers for which reconfiguration would have succeeded	

Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
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
Measured results on RACH	To be checked against requirement if specified

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
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
- SRNC identity	0000 0000 0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors: (a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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.
- 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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.  Checked to see if it's identical to the value of XMAC-I calculated by the SS  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
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
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	128
- Timer_RST	500
- Max_RST	41

Information Element	Value/remark
- 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	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	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	128
- Timer_RST	500
- Max_RST	41
- 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

Information Element	Value/remark
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (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	128
- Timer_RST	500
- Max_RST	41
- 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	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 Element	Value/remark
<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</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>	<ul style="list-style-type: none"> <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 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> <li>4</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>4</li> </ul>
<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</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> </ul> </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> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>FDD</li> <li>Not Present</li> <li>Normal</li> <li>Addition</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 signalling radio bearer)</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</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)</li> <li>(Not Present if the above is set to Computed Gain Factors)</li> <li>15</li> <li>(Not Present if the above is set to Computed Gain Factors)</li> <li>0</li> <li>FDD</li> <li>Not Present</li> </ul>
<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 lists</li> <li>- Transmission Time Interval</li> </ul>	<ul style="list-style-type: none"> <li>DCH</li> <li>5</li> <li>Dedicated transport channels</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> <li>(This IE is repeated for TFI number)</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> </ul>

Information Element	Value/remark
- 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 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	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- Spreading factor	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
- TX Diversity mode	None
- SSdT information	Not Present

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

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

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
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
- 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

Information Element	Value/remark
- 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 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	128
- Timer_RST	500
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- 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

Information Element	Value/remark
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	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 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500



Information Element	Value/remark
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- 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	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled Gain Factors)

Information Element	Value/remark
- Gain factor $\beta_c$	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor $\beta_d$	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink Transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

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

## Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type Integrity check info  - Message authentication code  - RRC Message sequence number  Identification of received message Protocol error information - Protocol error cause	<p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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>Not Checked</p> <p>Refer to test requirement.</p>

## Contents of SECURITY MODE COMMAND 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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

## 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 Radio bearer uplink ciphering activation time info	Not checked. 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type RRC transaction identifier Integrity check info	A1, A2, A3, A4, A5, A6	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- RRC message sequence number		SS provides the value of this IE, from its internal counter.
Integrity protection mode info Ciphering mode info Activation time	A1, A2, A3, A4, A5, A6	Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time New U-RNTI		Not Present Not Present
New C-RNTI	A1, A2, A3, A4	Not Present

Information Element	Condition	Value/remark
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
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 <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 <math>P_{p-m}</math></li> </ul>	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 <a href="#">Computed</a>Gain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to <a href="#">Computed</a>Gain Factors)</p> <p>0</p> <p>FDD</p> <p>Not Present</p>
Added or Reconfigured UL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
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>	A4	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 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>   <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>	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 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





Information Element	Condition	Value/remark
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  -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  -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,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies

Information Element	Condition	Value/remark
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>- DPCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPCH</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  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter 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>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD  Not Present
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 Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present 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> </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 Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present

Information Element	Condition	Value/remark
- Default DPCH Offset Value		Arbitrary set to value 0..306688 by step of 512
Downlink information for each radio link list - Downlink information for each radio links - CHOICE mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Power offset $P_{\text{Pilot-DPCH}}$ - 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  Primary CPICH may be used Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips 0 Not Present  4 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 links - CHOICE mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Power offset $P_{\text{Pilot-DPCH}}$ - 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  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
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - 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 Not present Not Present
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH	A6	FDD  Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The UE shall include this IE if the following two conditions are fulfilled: (a) The TRANSPORT CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The TRANSPORT CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 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 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. FDD  Allowed transport format combination list 0 (The TFC is constructed from ALL TF0) Not Present Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info  - Message authentication code  - RRC Message sequence number Capability update requirement - UE radio access FDD capability update requirement - UE radio access TDD capability update requirement - System specific capability update requirement list	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter.  TRUE FALSE 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	
- SRNC identity	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- S-RNTI	0000 0000 0001B
RRC transaction identifier	0000 0000 0000 0000 0001B
Integrity check info	Arbitrarily selects and integer between 0 and 3
- message authentication code	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- 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	See the test content
Downlink counter synchronisation info	Not Present

## Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
Integrity check info	
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	Not Present
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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM, (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

## 9.1.2 Default RRC Message Contents (TDD)

## Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
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	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 (Packet in 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 (Speech in CS)

Information Element	Value/remark
Message Type	0
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
- Radio bearer downlink ciphering activation time 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
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE

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

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>- 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>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</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>
<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>- 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>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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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>
<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>- 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>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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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>
CHOICE mode	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>	<p>Not Present</p> <p>TDD</p> <p>Same as UL</p>
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
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> </ul>	<p>DCH</p> <p>6</p> <p>Same as UL</p>
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul>	<p>DCH</p> <p>1</p>
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	<p>-6.3</p>
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> </ul>	<p>DCH</p> <p>7</p>
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	Same as UL

Information Element	Value/remark
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	3
- DCH quality target	
- BLER Quality value	Not Present
Frequency info	
- UARFCN Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
CHOICE Mode	TDD (no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	$(256+CFN-(CFN \bmod 8 + 8)) \bmod 256$
- Duration	infinite
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	
- First timeslot channelisation codes	
- 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

Information Element	Value/remark
- Bitmap	that is being assigned in the slot.
- CHOICE more timeslots	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..
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

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

Information Element	Value/remark
Message Type	0
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- 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	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time 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

Information Element	Value/remark
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	
- RAB info	
- RAB identity	0000 0101B
- 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	<del>Max-DAT-retransmissions</del> <u>No Discard</u>
- MAX_DAT	<del>415</del>
<del>Timer_MRW</del>	<del>400</del>
<del>MaxMRW</del>	<del>4</del>
- Transmission window size	<del>8</del> <u>128</u>
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
<u>- Poll_PDU</u>	<u>Not Present</u>
- 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	<del>8</del> <u>128</u>
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	<del>200</del> <u>Not Present</u>
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- 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	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	7
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	8
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH



Information Element	Value/remark
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6.
- CTFC information	Refer to TS34.108 clause 6 Parameter Set
- CHOICE mode	Not Present
- Individual UL CCTrCH information	TDD
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
- 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
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	TDD (no data)
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- CHOICE mode	TDD
- TPC step size	1 dB
- Default DPCH offset value	0
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Explicit
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number)
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Value/remark
<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> </ul>	<p>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>Frequency info</p> <ul style="list-style-type: none"> <li>-CHOICE mode</li> <li>- UARFCN (Nt)</li> </ul> <p>Maximum allowed UL TX power  30 dBm</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</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> </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 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</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>TDD</p> <p>Reference to clause 5.1 Test frequencies</p> <p>Uplink DPCH info</p> <p>TDD</p> <p>Reference to TS34.108 Parameter set.  Individually signalled  Not Present</p> <p>1</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256  Infinite</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>The number of an uplink timeslot that has unassigned codes.  TRUE</p> <p>Default  As defined in 3GPP TS 25.221</p>
<p>type 1 and 3</p> <ul style="list-style-type: none"> <li>- First timeslot channelisation codes</li> <li>- Channelisation code</li> <li>- CHOICE more timeslots</li> </ul>	<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.</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 indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Default DPCH Offset Value</li> </ul>	<p>Maintain  Not Present</p> <p>0 (single)  TDD (no data)  Not Present</p>
<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 <ul style="list-style-type: none"> <li>- Timeslot</li> </ul> </li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </li> </ul> </li> </ul>	<p>TDD</p> <p>Sync Case 1  PCCPCH timeslot  0</p>

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL               <ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- DL CCTrCH List</li> <li>- TFCS ID                   <ul style="list-style-type: none"> <li>- Time info</li> <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>- Downlink DPCH timeslots and codes</li> </ul> </li> </ul> </li> <li>- Individual timeslot info               <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 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</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>TDD</p> <p>1</p> <p><math>(256+CFN-(CFN \bmod 8 + 8)) \bmod 256</math> infinite</p> <p>Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1 Empty</p> <p>The number of a downlink timeslot that has unassigned codes. TRUE</p> <p>Default As defined in 3GPP TS 25.221</p> <p><math>(i/SF)</math> where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set.. <math>(j/SF)</math> 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.</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 COMPLETE message: AM

<p>Message Type 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>Uplink integrity protection activation info CHOICE mode START COUNT-C activation time</p> <p>Radio bearer uplink ciphering activation time info</p> <p>Uplink counter synchronisation info</p>	<p>Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.</p> <p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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>Not checked.</p> <p>TDD</p> <p>Not checked</p> <p>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.</p> <p>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.</p> <p>Not checked</p>
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Contents of RADIO BEARER RELEASE COMPLETE message: AM

<p>Message Type 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>Uplink integrity protection activation info CHOICE mode COUNT-C activation time</p> <p>Radio bearer uplink ciphering activation time info</p> <p>Uplink counter synchronisation info</p>	<p>Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.</p> <p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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>Not checked.</p> <p>TDD</p> <p>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.</p> <p>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.</p> <p>Not checked</p>
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## Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
Initial UE identity	
- CHOICE UE id type	
- IMSI (GSM-MAP)	Set to the UE's IMSI (GSM-MAP) or TMSI.
Establishment cause	To be checked against requirement if specified
Protocol error indicator	FALSE
Measured results on RACH	Not checked

## Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
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.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	0
Integrity check info	The presence of this IE depends on 2 factors: (a) Ixit statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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.
- 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	The presence of this IE is dependent on Ixit statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	Checked to see if it's identical to the value of XMAC-I calculated by the SS
- 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
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST message
RRC transaction identifier	0
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
- UE radio access FDD capability update requirement	FALSE
- UE radio access TDD capability update requirement	TRUE
- System specific capability update requirement list	Gsm

Information Element	Value/remark
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
- 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	<del>44</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>4</del> 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	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present

Information Element	Value/remark
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	<del>44</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>4</del> 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



Information Element	Value/remark
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps 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	<del>41</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>41</del>
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

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

Information Element	Value/remark
<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 lists</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>Dedicated transport channels</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer (This IE is repeated for TFI number)</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>All</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</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</p> <p>TDD</p> <p>Same as UL</p>
<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> </ul> </li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>-DCH quality target <ul style="list-style-type: none"> <li>- BLER Quality target</li> </ul> </li> </ul>	<p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p> <p>-6.3</p>
<p>Frequency info</p>	<p>Not Present</p>
<p>Maximum allowed UL TX power</p>	<p>Not Present</p>
<p>HOICE channel requirement</p>	<p>Uplink DPCH info</p>
<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> </ul> </li> <li>- CHOICE UL OL PC info</li> <li>- Uplink Timing Advance Control</li> <li>- UL 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> </ul>	<p>TDD</p> <p>Reference to TS34.108 Parameter set.</p> <p>Individually signalled</p> <p>Not Present</p>
<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> <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 Burst Type <ul style="list-style-type: none"> <li>-Type 1</li> </ul> </li> <li>-Midamble Allocation Mode</li> <li>- Midamble configuration burst</li> </ul> </li> </ul>	<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>Default</p> <p>As defined in 3GPP TS 25.221</p>
<p>type 1 and 3</p> <ul style="list-style-type: none"> <li>- First timeslot channelisation codes</li> </ul>	<p>Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p>

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

## Contents of RRC CONNECTION SETUP COMPLETE message: AM

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

## Contents of SECURITY MODE COMMAND message: AM

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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If ciphering is not indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
- UEA1	If ciphering is indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
- Spare	FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use the same ciphering algorithm specified in "ciphering algorithm capability" IE in this message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	Supported domain
UE system specific security capability	Not Checked

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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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, 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 with 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	05h

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

Information Element	Condition	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	A1,A3	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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 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	A1	0000 0001B 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 - Re-establishment timer - RB information to setup list - RB information to setup - RB identity	A3	0000 0101B PS domain Not Present UseT314  20



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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_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>		<p>Not Present RLC info AM RLC</p> <p>No Discard 15 128 500 4</p> <p>200 200</p> <p>Not Present 1</p> <p>TRUE TRUE</p> <p>99</p> <p>Not Present AM RLC</p> <p>TRUE 128</p> <p>200 <del>200</del>Not Present</p> <p>TRUE Not Present</p> <p><b>2RBMuxOptions</b> Not Present</p> <p>1 DCH 1</p> <p>Not Present Configured 8</p> <p>1 DCH 6</p> <p>Not Present Not Present Not Present</p> <p>1 RACH Not Present</p> <p>7 Explicit List Reference to TS34.108 clause 6 Parameter Set <b>8</b></p> <p>1 FACH Not Present Not Present Not Present</p>
<p>RB information to be affected list</p> <p>Downlink counter synchronisation info</p>	A1,A3	<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> </ul>	A1,A3	<p>Not Present FDD Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p>

Information Element	Condition	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</li> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <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</li> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <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</li> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <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</li> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <li>- Reference TFC ID</li> </ul> </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> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- Power offset <math>P_{p-m}</math></li> </ul> </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		
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 <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 <ul style="list-style-type: none"> <li>- CHOICE Logical Channel List</li> </ul> </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>	A1, A3	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> </ul> - Added or Reconfigured TrCH information for DRAC list	A1, A3	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> </ul>	A1,A3	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> </ul>	A1,A3	Not Present 1  DCH 6 Same as UL

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </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>- 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>	A1,A3	Not Present 33dBm Uplink DPCH info  FDD -6dB 1 frame 7 frames Algorithm1 1dB FDD Long 0 (0 to 16777215) 1 64 TRUE 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</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>- 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>	A1,A3	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 for 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> <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>	A1,A3	FDD  100 Not Present Not Present  FDD Primary CPICH may be used <u>Set to value Default DPCH Offset Value ( as currently stored in SS) mod 384000-chips</u> Not Present  1 128 0 No change 0 Not Present 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
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 0000 0000 0000 0000 0001B
- SRNC identity	
- S-RNTI	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors: (a) I XIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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.
- 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
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
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
- 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	

Information Element	Value/remark
- 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	41
- 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
- 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

Information Element	Value/remark
- Transmission RLC discard	No Discard
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- 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
- 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	

Information Element	Value/remark
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal



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

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- DPCCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</li> <li>- CHOICE mode</li> <li>- Scrambling code type <ul style="list-style-type: none"> <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> </li> </ul>	<ul style="list-style-type: none"> <li>-6dB</li> <li>1 frame</li> <li>7 frames</li> <li>Algorithm1</li> <li>1dB</li> <li>FDD</li> <li>Long</li> <li>0 (0 to 16777215)</li> <li>Not present (1)</li> <li>256</li> <li>TRUE</li> <li>Not Present(0)</li> <li>1</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 <ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> </ul> </li> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- DPC mode</li> <li>- CHOICE mode</li> </ul> </li> <li>- Power offset P<sub>Pilot-DPDCH</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 <ul style="list-style-type: none"> <li>- Number of bits for Pilot bits</li> </ul> </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>Initialise</li> <li>Not present</li> <li>FDD</li> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>256</li> <li>Fixed</li> <li>FALSE</li> <li>8</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Arbitrary set to value 0..306688 by step of 512</li> </ul>
<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 CPICH info <ul style="list-style-type: none"> <li>- Primary scrambling code</li> </ul> </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> <li>- Secondary CPICH info</li> </ul> </li> <li>- DL channelisation code <ul style="list-style-type: none"> <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> </ul> </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 mod 38400</li> <li>Not Present</li> <li>1</li> <li>256</li> <li>0</li> <li>Not present</li> <li>0</li> <li>Not Present</li> <li>Not Present</li> <li>Not Present</li> </ul>

## Contents of SECURITY MODE COMMAND 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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

## 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	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

Information Element	Condition	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	A1,A3	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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 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	A1	0000 0001B 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 - Re-establishment timer - RB information to setup list - RB information to setup - RB identity	A3	0000 0101B PS domain Not Present UseT314  20

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 RLC info AM RLC</p> <p>No discard 15 128 500 4</p> <p>200 200 1 TRUE TRUE 99 Not Present AM RLC TRUE 128</p> <p>200 200 TRUE Not Present</p> <p><b>2RBMuxOptions</b> Not Present 1 DCH 1 Not Present Configured 8</p> <p>1 DCH 6 Not Present Not Present Not Present 1 RACH Not Present 7 Explicit List Reference to TS34.108 clause 6 Parameter Set <b>8</b></p> <p>1 FACH Not Present Not Present Not Present</p>
RB information to be affected list	A1,A3	Not Present
Downlink counter synchronisation info		Not Present
<ul style="list-style-type: none"> <li>UL Transport channel information for all transport channels</li> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li>   <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling</li> </ul>	A1,A3	<p>Not Present TDD</p> <p>(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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li>   <li>- CTFC information</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> </ul> Deleted UL TrCH information list		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> <li>- CHOICE UL OL PC info <ul style="list-style-type: none"> <li>- Individual timeslot interference info</li> <li>- Individual timeslot interference</li> <li>- DPCH Constant Value</li> </ul> </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> </ul>	A1,A3	Not Present 30dBm Uplink DPCH info  TDD Reference to TS34.108 Parameter set. Individually signalled  Values are used for open loop power control, section 8 in TS 25.331 Not Present  1

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 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>- Channelisation code</li> <li>- CHOICE more timeslots</li> </ul>		<p><math>(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256</math> 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. TRUE</p> <p>Default 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. (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>
<p>CHOICE Mode</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 indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- DPC mode</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul>	A1,A3	<p>Maintain Not Present</p> <p>TDD 0 (single) 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 <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> <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>- 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> <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> </ul> </li> </ul> </li> </ul>	A1,A3	<p>TDD</p> <p>Sync Case 1 PCCPCH timeslot 0</p> <p>TDD</p> <p>1</p> <p><math>(256+CFN-(CFN \text{ mod } 8 + 8))\text{mod } 256</math> infinite</p> <p>Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1 Empty</p> <p>The number of a downlink timeslot that has</p>



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> <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> <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>unassigned codes. TRUE</p> <p>Default 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.. (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</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 RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
<p>Message Type U-RNTI</p> <ul style="list-style-type: none"> <li>- SRNC identity</li> <li>- S-RNTI</li> </ul> <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>N308</p> <p>Release cause</p> <p>Rplmn information</p>	<p>This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent. 0000 0000 0001B 0000 0000 0000 0000 0001B Arbitrarily selects an integer between 0 and 3 The presence of this IE depends on 2 factors: (a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event Not Present</p>

## Contents of RRC CONNECTION SETUP message: UM

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

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

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE Mode	TDD
- Individual UL CCTrCH information	
- UL TFCS ID	(This IE is repeated for TFC number.)

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- UL TFCS</li> <li>- TFC subset</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 <ul style="list-style-type: none"> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li> </ul> </li> <li>- CTFC information</li> </ul> </li> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul> Deleted TrCH information list Added or Reconfigured UL TrCH information list <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> <li>- Number of TBs and TTI List</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> </li> </ul> 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> Added or Reconfigured DL 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>- Uplink transport channel type</li> <li>- UL TrCH Identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul> </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 <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> <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> </ul> </li> <li>- Activation time <ul style="list-style-type: none"> <li>- Duration</li> </ul> </li> <li>- Common timeslot info</li> </ul>	<p>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.)  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  Not Present  TDD  Not Present  Not Present  1</p> <p>DCH  5</p> <p>Dedicated transport channels</p> <p>According to TS34.108 clause 6  (This IE is repeated for TFI number)  TDD  According to TS34.108 clause 6  All</p> <p>Not Present  TDD  Same as UL  1</p> <p>DCH  10  Same as UL  DCH  5</p> <p>Reference to TS 34.108  Not Present  Not Present  Uplink DPCH info</p> <p>TDD  Reference to TS34.108 Parameter set  TDD  Individually signalled  Not Present</p> <p>Not Present</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256  Infinite</p>

Information Element	Value/remark
<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</li> <li>- CPCH SET Info</li> </ul>	<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  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</li> <li>- DPC mode</li> <li>- CHOICE mode</li> <li>- Default DPCH Offset Value</li> </ul>	<p>Initialise  Not Present    0 (single)  TDD (no data)  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</li> <li>- CHOICE mode</li> <li>- Primary CCPCH info <ul style="list-style-type: none"> <li>- CHOICE <i>SyncCase</i></li> <li>- Timeslot</li> <li>- Cell parameters ID</li> <li>- SCTD indicator</li> </ul> </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</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> </ul> </li> </ul>	<p>TDD    Sync Case 1  PCCPCH timeslot  0    TDD    1    <math>(256+CFN-(CFN \bmod 8 + 8)) \bmod 256</math>  infinite    Reference to TS34.108  TRUE  Reference to TS34.108 clause 6 Parameter set  1  Empty</p>
- CHOICE <i>more timeslots</i>	
- 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 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 SECURITY MODE COMMAND 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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Use the same ciphering algorithm specified in "ciphering
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked



3GPP TSG- T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1-020658

3GPP TSG- T1 SIG Meeting #25  
Singapore, 18<sup>th</sup> – 20<sup>th</sup> Sept 2002

Tdoc # T1S-020553

CR-Form-v7

## CHANGE REQUEST

⌘ **34.108 CR 144** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

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 messages in 9.1 and 9.2
<b>Source:</b>	⌘ Ericsson, Panasonic
<b>Work item code:</b>	⌘ TEI <b>Date:</b> ⌘ 17/09/2002
<b>Category:</b>	⌘ <b>A</b> <b>Release:</b> ⌘ REL-4
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> ⌘	<ol style="list-style-type: none"><li>1. Alignment of layer 2 parameters for RADIO BEARER SETUP message for TDD according to what agreed in CR (T1-020278) at previous meetings for FDD.</li><li>2. Alignment of layer 2 parameter Timer_EPC for RADIO BEARER SETUP message for RF testing according to what have been agreed in CR (T1-020278) at previous meetings for FDD</li><li>3. Correction of implementation of CR to RRC CONNECTION SETUP message for TDD (MAX_DAT) parameter.</li><li>4. Using a MAX_RST value higher than 1 for signalling radio bearers allows RLC reset procedures to be executed on the SRBs, thus enabling message loss which is not taken into account by the higher layer protocols. Therefore MAX_RST it should use a value of "1" to be representative for what will be used in live networks</li><li>5. DPCH frame offset shall be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400 in some RRC message.</li><li>6. URA identity in CELL UPDATE CONFIRM message should be 16 bit length.</li><li>7. Alignment with TS 25.331, changes introduced in <a href="#">CR 1573</a></li></ol>
<b>Summary of change:</b> ⌘	<b>Changes to 9.1.1 (Default RRC messages for FDD):</b> <ol style="list-style-type: none"><li>1. RRC CONNECTION SETUP message: UM (Transition to CELL_DCH):</li></ol>

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.
- 2. RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH)
  - a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.
- 3. RADIO BEARER SETUP message: AM or UM (Speech in CS)
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
- 4. RADIO BEARER SETUP message: AM or UM (Packet to CELL\_DCH from CELL\_DCH in PS)
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
- 5. RADIO BEARER SETUP message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
- 6. RADIO BEARER RECONFIGURATION message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
- 7. RADIO BEARER RELEASE message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
- 8. TRANSPORT CHANNEL RECONFIGURATION message: AM or UM
  - a. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400.
- 9. CELL UPDATE CONFIRM message:UM
  - a. URA identity is set to "0000 0000 0000 0001".
- 10. MEASUREMENT REPORT
  - a. IE SFN-SFN observed time difference is removed
- 11. PHYSICAL CHANNEL RECONFIGURATION
  - a. The setting of IE DPCH frame offset has been aligned with how the value is specified in the RADIO BEARER messages (adding the comment "as currently stored in SS")
  - b. The entry for IE Downlink information for each radio links currently defined for A1,A2,A3 and A4 have been splitted to separate entries; one for the case the IE DPCH Offset Value is included (A1,A2,A3) and one for the case when the IE is not included (A4).

**Changes to 9.1.2 (Default messages for TDD)**

- 12. "RADIO BEARER SETUP message: AM or UM (Packet to CELL\_DCH from CELL\_DCH in PS)":
  - a. SDU discard mode changed to "Not Present"
  - b. MAX\_DAT changed from 4 to 15
  - c. IEs Timer\_MRW and MaxMRW removed

- d. Transmission and receiving window size changed from 8 to 128
- e. IE "Poll\_PDU" added and set to "Not Present"
- f. IE "Timer\_EPC" changed from 200 to "Not Present"

13. RRC CONNECTION SETUP message: UM (Transition to CELL\_DCH)

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.
- b. IE "MAX\_DAT" changed from 415 to 15. The value 15 has been agreed to be a relevant value.

14. RRC CONNECTION SETUP message: UM (Transition to CELL\_FACH)

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.

**Changes to 9.2 (Default messages for RF)**

15. RADIO BEARER SETUP message: AM or UM:

- a. for acknowledge mode case (A3): The IE "Timer\_EPC" is set to "Not present". The EPC function can not be used for RBs with more than one logical channel per transport channel, since this is not covered by the core specification. The same change has been earlier been applied to RADIO BEARER SETUP messages in 9.1
- b. DPCH frame offset should be set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400..

16. RRC CONNECTION SETUP message: UM.

- a. IE MAX\_RST changed from 4 to 1 for signalling radio bearers.

**Consequences if not approved:** ⌘ Default messages inconsistent and not representative for values used in live networks.

**Clauses affected:** ⌘ 9

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

**Other comments:** ⌘

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

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

- 1) Fill out the above form. The symbols above marked ⌘ 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	Arbitrarily selects one integer between 0 to 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	now
Activation time	Not Present
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
SSTD information	Not Present

## 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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
U-RNTI	Checked to see if it is set to the following values 0000 0000 0001B 0000 0000 0000 0000 0001B
- SRNC identity	Checked to see if it is absent
- S-RNTI	
RRC transaction identifier	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
Integrity check info	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- Message authentication code	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
- RRC Message sequence number	
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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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 – 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	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	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 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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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.
Intra Domain NAS Node Selector	R99
- CHOICE version	GSM-MAP
- CHOICE CN type	Local (P)TMSI
- CHOICE Routing basis	If the IE "CN domain identity" is equal to "CS domain", this bit string is set to to bits b14 through b23 of the TMSI.
- Routing parameter	If the IE "CN domain identity" is equal to "PS domain", this bit string is set to to bits b14 through b23 of the P-TMSI.
	The TMSI/ P-TMSI bits are numbered from b0 to b31, with bit b0 being the least significant.
	FALSE
- Entered parameter	FALSE
NAS message	Set according to that indicated in specific message content for each test case
START	Not checked
Measured results on RACH	Not checked

## Contents of MEASUREMENT CONTROL message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- Message authentication code	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	
- SFN-SFN observed time difference reporting indicator	No report
- 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	
- SFN-SFN observed time difference reporting indicator	No report
- 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
- Maximum number of reported cells	2
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
- SFN-SFN observed time difference	Checked that this IE is absent
- 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/NO	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

## 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	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 (Packet in 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 PAGING TYPE 1 message: TM (SMS in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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 The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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
Message Type	A1, A2, A3, A4, A5, A6	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info		SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code		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	A1, A2, A3, A4	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	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
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
Frequency info		Reference to clause 5.1 Test frequencies
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		33dBm
Maximum allowed UL TX power		
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		-6dB
- DPCH power offset		1 frame
- PC Preamble		7 frames
- SRB delay		Algorithm1
- Power Control Algorithm		1dB
- TPC step size		Long
- Scrambling code type		0 (0 to 16777215)
- Scrambling code number		Not Present(1)
- Number of DPDCH		Reference to TS34.108 clause 6.10
- spreading factor		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
- Number of FBI bit		Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10
		Parameter Set
CHOICE Mode	A1, A2, A3, A4, A5, A6	FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3	Maintain
- Downlink DPCH info common for all RL		Not Present
- Timing indicator		
- CFN-targetSFN frame offset		
- Downlink DPCH power control information		
- DPC mode		0 (single)

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Power offset <math>P_{\text{Pilot-DPDCH}}</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>		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
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-DPDCH}}</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
Downlink information common for all radio links	A5, A6	Not Present
Downlink information for each radio links <ul style="list-style-type: none"> <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</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>- Power offset <math>P_{\text{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,A4	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  FDD Primary CPICH may be used Set to value : Default DPCH Offset Value ( <a href="#">as currently stored in SS</a> ) mod 38400 0 Not Present  5 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present
<u>Downlink information for each radio links</u> <ul style="list-style-type: none"> <li>- <u>Choice mode</u></li> <li>- <u>Primary CPICH info</u></li> <li>- <u>Primary scrambling code</u></li> </ul>	<u>A4</u>	<u>FDD</u>  <u>Ref. to the Default setting in TS34.108 clause</u>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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="#">CHOICE mode</a></li> <li>- <a href="#">Primary CPICH usage for channel estimation</a></li> <li>- <a href="#">DPCH frame offset</a></li> <li>- <a href="#">Power offset <math>P_{\text{Pilot-DPDCH}}</math></a></li> <li>- <a href="#">Secondary CPICH info</a></li> <li>- <a href="#">DL channelisation code</a></li> <li>- <a href="#">Secondary scrambling code</a></li> <li>- <a href="#">Spreading factor</a></li> <li>- <a href="#">Code number</a></li> <li>- <a href="#">Scrambling code change</a></li> <li>- <a href="#">TPC combination index</a></li> <li>- <a href="#">SSDT Cell Identity</a></li> <li>- <a href="#">Closed loop timing adjustment mode</a></li> <li>- <a href="#">SCCPCH information for FACH</a></li> </ul>		<a href="#">6.1 (FDD)</a> <a href="#">Not Present</a> <a href="#">Not Present</a>  <a href="#">FDD</a> <a href="#">Primary CPICH may be used</a> <a href="#">Set to value : Default DPCH Offset Value mod 38400</a> <a href="#">0</a> <a href="#">Not Present</a>  <a href="#">5</a> <a href="#">Reference to TS34.108 clause 6.10</a> <a href="#">Parameter Set</a> <a href="#">0</a> <a href="#">No change</a> <a href="#">0</a> <a href="#">Not Present</a> <a href="#">Not Present</a> <a href="#">Not Present</a>
<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>- SCCPCH Information for FACH</li> </ul>	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not Present Not Present
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	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 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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 COUNT-C activation time	Not checked FDD The UE shall include this IE if the following two conditions are fulfilled: (a) The PHYSICAL CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The PHYSICAL CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Not checked 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub-IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub-IEs as stated below. 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.
- 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	$(256 + \text{CFN} - (\text{CFN} \bmod 8 + 8)) \bmod 256$
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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



Information Element	Value/remark
- 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	11
- RB identity	Not Present
- PDCP info	RLC info
- CHOICE RLC info type	TM RLC
- CHOICE Uplink RLC mode	Not Present
- Transmission RLC discard	FALSE
- Segmentation indication	TM RLC
- CHOICE Downlink RLC mode	FALSE
- Segmentation indication	
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	2
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	6
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	7
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	12
- RB identity	Not Present
- PDCP info	RLC info
- CHOICE RLC info type	TM RLC
- CHOICE Uplink RLC mode	Not Present
- Transmission RLC discard	FALSE
- Segmentation indication	TM RLC
- CHOICE Downlink RLC mode	FALSE
- Segmentation indication	
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	3
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	6
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	8
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not 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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset information</li> <li>- CHOICE Gain Factors</li> </ul>	Reference to TS34.108 clause 6.10.2.4 Parameter Set
<ul style="list-style-type: none"> <li>- Gain factor <math>\beta_c</math></li> </ul>	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)
<ul style="list-style-type: none"> <li>- Gain factor <math>\beta_d</math></li> </ul>	15 (Not Present if the above is set to Computed Gain Factors)
<ul style="list-style-type: none"> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset P p-m</li> </ul>	0 FDD Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs added, 1 DCH reconfigured
<ul style="list-style-type: none"> <li>- Added or Reconfigured UL TrCH information</li> </ul>	DCH
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	1
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	
<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>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- RLC Size</li> </ul>	(This IE is repeated for TFI number.)
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</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>- Uplink transport channel type</li> </ul>	DCH
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	2
<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>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- RLC Size</li> </ul>	(This IE is repeated for TFI number.)
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</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>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>	(This IE is repeated for TFI number.)
<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>- Uplink transport channel type</li> </ul>	DCH
<ul style="list-style-type: none"> <li>- UL Transport channel identity</li> </ul>	3
<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>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- RLC Size</li> </ul>	(This IE is repeated for TFI number.)
<ul style="list-style-type: none"> <li>- Number of TBs and TTI List</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>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul>	(This IE is repeated for TFI number.)
<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

Information Element	Value/remark
<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>- 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>	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 Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) 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 FDD
CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC</li> </ul>	Not Present Not Present
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 TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	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>	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>	1
<ul style="list-style-type: none"> <li>- UL TrCH identity</li> </ul>	-2.0
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>	DCH
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>	7
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> </ul>	Same as UL
<ul style="list-style-type: none"> <li>- DL Transport channel identity</li> </ul>	DCH
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> </ul>	2
<ul style="list-style-type: none"> <li>- Uplink transport channel type</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- UL TrCH identity</li> </ul>	DCH
<ul style="list-style-type: none"> <li>- DCH quality target</li> </ul>	8
<ul style="list-style-type: none"> <li>- BLER Quality value</li> </ul>	Same as 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>	3
<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>	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>	-2.0
<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
Frequency info	33dBm
Maximum allowed UL TX power	Uplink DPCH info
CHOICE channel requirement	-6dB
<ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> </ul>	1 frame
<ul style="list-style-type: none"> <li>- DPCCH power offset</li> </ul>	7 frames
<ul style="list-style-type: none"> <li>- PC Preamble</li> </ul>	
<ul style="list-style-type: none"> <li>- SRB delay</li> </ul>	

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- Power Control Algorithm</li> <li>- TPC step size</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>	Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	FDD
<ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	Not Present
Downlink information common for all radio links	
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> </ul>	
<ul style="list-style-type: none"> <li>- Timing indicator</li> </ul>	Maintain
<ul style="list-style-type: none"> <li>- CFN-targetSFN frame offset</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> </ul>	
<ul style="list-style-type: none"> <li>- DPC mode</li> </ul>	0 (single)
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPDCH}</math></li> </ul>	0
<ul style="list-style-type: none"> <li>- DL rate matching restriction information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Spreading factor</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Fixed or Flexible Position</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- TFCI existence</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- CHOICE SF</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- DPCH compressed mode info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- TX Diversity mode</li> </ul>	None
<ul style="list-style-type: none"> <li>- SSDT information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Default DPCH Offset Value</li> </ul>	Not Present
Downlink information for each radio link list	
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	
<ul style="list-style-type: none"> <li>- Choice mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>- Primary CPICH info</li> </ul>	Reference to clause 6.1 "Default settings (FDD)"
<ul style="list-style-type: none"> <li>- Primary scrambling code</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- PDSCH code mapping</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL</li> </ul>	
<ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> </ul>	Primary CPICH may be used
<ul style="list-style-type: none"> <li>- DPCH frame offset</li> </ul>	<a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400</a> <del>0-chips</del>
<ul style="list-style-type: none"> <li>- Secondary CPICH info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- DL channelisation code</li> </ul>	1
<ul style="list-style-type: none"> <li>- Secondary scrambling code</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Spreading factor</li> </ul>	0
<ul style="list-style-type: none"> <li>- Code number</li> </ul>	0
<ul style="list-style-type: none"> <li>- Scrambling code change</li> </ul>	No change
<ul style="list-style-type: none"> <li>- TPC combination index</li> </ul>	0
<ul style="list-style-type: none"> <li>- SSDT Cell Identity</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Closed loop timing adjustment mode</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- SCCPCH information for FACH</li> </ul>	Not Present

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

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	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	$(256 + \text{CFN} - (\text{CFN} \text{ MOD } 8 + 8)) \text{ MOD } 256$
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	
- RAB info	
- RAB identity	0000 0101B
- 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	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present

Information Element	Value/remark
- 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	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	7
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	8
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	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	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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor $\beta_c$	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor $\beta_d$	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset P <sub>p-m</sub>	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	1 DCH added, 1 DCH reconfigured
- 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

Information Element	Value/remark
<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>- 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  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</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</p>
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for</li> </ul>	<p>FDD</p> <p>Not Present</p> <p>Not Present</p>
<p>DRAC list</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> </ul>	<p>Not Present</p> <p>FDD</p> <p>Explicit</p> <p>Normal</p> <p>Complete reconfiguration</p>
<ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset information</li> </ul> <p>Deleted TrCH information list</p> <p>Added or Reconfigured TrCH information list</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>Not Present</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>- 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>- 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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> </ul>	<p>DCH</p> <p>6</p> <p>Explicit</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</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>-2.0</p> <p>DCH</p> <p>10</p> <p>Same as UL</p> <p>DCH</p> <p>5</p>

Information Element	Value/remark
- BLER Quality value	-2.0
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	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	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{Pilot-DPCH}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	<a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips</a>
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
- Scrambling code change	No change
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present



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

Information Element	Condition	Value/remark
Message Type	A1, A4, A5, A6, A7, A8	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info		SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code		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	A1, A4, A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A4, A7, A8	Not Present
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1, A4, A7, A8	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A4, A5, A6, A7, A8	Not Present
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup	A1, A7	
- RAB info		0000 0001B
- RAB identity		CS domain
- CN domain identity		Not Present
- NAS Synchronization Indicator		useT314
- Re-establishment timer		
- 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
RAB information for setup	A8	
- RAB info		0000 0001B
- RAB identity		

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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               <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 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               <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 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               <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 RLC size list</li> <li>- MAC logical channel priority</li> </ul>		<ul style="list-style-type: none"> <li>CS domain</li> <li>Not Present</li> <li>useT315</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>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> </ul>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 DCH 8 Not Present Not Present
RAB information for setup <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               <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> <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> <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> <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</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> </ul> </li> </ul>	A4, A5, A6	(AM DTCH for PS domain) 0000 0101B PS domain Not Present useT315  20  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  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 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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		8  1 FACH Not Present Not Present 7
RB information to be affected	A1, A4, A5, A6,A7,A8	Not Present
Downlink counter synchronisation info	A1, A4, A5, A6,A7,A8	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 <math>P_{p-m}</math></li> </ul> Deleted UL TrCH information	A1,A4,A5, A6,A7,A8	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 <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>	A1, A4, A5, A6,A7,A8 A1	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 Reference to TS34.108 clause 6.10 Parameter Set Set

Information Element	Condition	Value/remark
<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>		Set DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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 Reference to TS34.108 clause 6.10 Parameter Set 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>   <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>	A4,A5,A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH)  DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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 Reference to TS34.108 clause 6.10 Parameter Set Set DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>		Set Reference to TS34.108 clause 6.10 Parameter Set Set Reference to TS34.108 clause 6.10 Parameter Set 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> <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> </ul>	A8	4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 5  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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 DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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 DCH 2  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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

Information Element	Condition	Value/remark
<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> </ul>		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 Reference to TS34.108 clause 6.10 Parameter Set Set DCH 3 Dedicated transport channels Reference to TS34.108 clause 6.10 Parameter Set 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
CHOICE <i>mode</i> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	A1, A4, A5, A6,A7,A8	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> </ul>	A1,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>	A4,A5,A6	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 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> </ul>	A1, A4, A5, A6,A7,A8 A1	Not Present 1 DCH added, 1 DCH reconfigured DCH 6 Same as UL





Information Element	Condition	Value/remark
<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>- 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>- 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>Set</li>   <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>-2.0</li> <li>DCH</li> <li>7</li> <li>Explicit</li>   <li>Dedicated transport channel</li>   <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>(This IE is repeated for TFI number.)</li>   <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li>   <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>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 Parameter Set</li> <li>Set</li> <li>(This IE is repeated for TFI number.)</li>   <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li>   <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Set</li>   <li>Not Present</li> </ul>
Frequency info	A1, A4, A5,	

Information Element	Condition	Value/remark
- UARFCN uplink (Nu) - UARFCN downlink (Nd)	A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement  - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor  - TFCI existence  - Number of FBI bit  - Puncturing Limit	A1, A4, A7, A8	Uplink DPCH info  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode  - Downlink PDSCH information	A1, A4, A5, A6,A7,A8	FDD  Not Present
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 $P_{Pilot-DPDCH}$ - 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	A1	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 FDD Not Present None Not Present Not Present
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 $P_{Pilot-DPDCH}$ - DL rate matching restriction information - Spreading factor  - Fixed or Flexible Position  - TFCI existence  - CHOICE SF	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 Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
<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>		Set FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present
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>- 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>	A1	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used <a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips</a> Not Present  1 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               <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>- 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>	A4,A7,A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used Set to value : Default DPCH Offset Value mod 38400 Not Present  1 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               <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>- 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 Not present Not Present
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> </ul> </li> </ul>	A6	FDD

Information Element	Condition	Value/remark
- Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH		Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present

Condition	Explanation
A1	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"
A2 is defined in message "RADIO BEARER SETUP message: AM or UM (Speech in CS)".	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
A3 is defined in message "RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)".	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

Message Type	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
START	Not checked
COUNT-C activation time	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 or released the last RB(s) mapped to RLC-TM for a CN domain. 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 checked

## 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. The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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
Message Type	A1,A2,A3, A4,A5,A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, A4	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	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
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
RAB information to reconfigure list		Not Present
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		10

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 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
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> </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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		<p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for RRC)</p> <p>2</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT High priority)</p> <p>3</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT Low priority)</p> <p>4</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DTCH)</p> <p>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> <p>- Reference TFC ID</p> <p>- CHOICE mode</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 <a href="#">ComputedGain Factors</a>)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to <a href="#">ComputedGain Factors</a>)</p> <p>0</p> <p>FDD</p>



Information Element	Condition	Value/remark
- Power offset P <sub>p-m</sub>		Not Present
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5, A6 A4	Not Present
Added or Reconfigured UL TrCH information		2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5
- Uplink transport channel type		Dedicated transport channels
- UL Transport channel identity		Reference to TS34.108 clause 6.10 Parameter Set
- TFS		(This IE is repeated for TFI number.)
- CHOICE Transport channel type		Not Present
- Dynamic Transport format information		Reference to TS34.108 clause 6.10 Parameter Set
- RLC Size		Set
- Number of TBs and TTI List		All
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Set
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		Dedicated transport channels
- CHOICE Transport channel type		Reference to TS34.108 clause 6.10 Parameter Set
- Dynamic Transport format information		Set
- RLC Size		(This IE is repeated for TFI number.)
- Number of TBs and TTI List		Not Present
- Transmission Time Interval		Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Set
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH) DCH 1
- Uplink transport channel type		Dedicated transport channels
- UL Transport channel identity		Reference to TS34.108 clause 6.10 Parameter Set
- TFS		Set
- CHOICE Transport channel type		(This IE is repeated for TFI number.)
- Dynamic Transport format information		Not Present
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		Set
- Transmission Time Interval		All
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		Set
- Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
<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> </ul>		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 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> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		Set Reference to TS34.108 clause 6.10 Parameter Set 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
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
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>- Scrambling code type</li> <li>- Scrambling code number</li> <li>- Number of DPDCH</li> <li>- spreading factor</li> <li>- TFCl existence</li> <li>- Number of FBI bit</li> <li>- Puncturing Limit</li> </ul>	A1, A2, A3, A4	Uplink DPCH info -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5, A6	Not Present
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD Not Present
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> </ul>	A1, A2, A3	Maintain Not Present

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		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
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 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
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 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</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>	A1, A2, A3	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used <a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400</a> <del>0-chips</del> Not Present  2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present
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> </ul> </li> </ul>	A4	FDD

Information Element	Condition	Value/remark
<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>- 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>Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present</p> <p>Primary CPICH may be used 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>
<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>- 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 Not present Not Present</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>- Secondary CCPCH info</li> </ul>	A6	<p>FDD</p> <p>Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not Present Not Present</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 RADIO BEARER 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 RADIO BEARER RECONFIGURATION message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 List	Not checked

## Contents of RADIO BEARER 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 RADIO BEARER RECONFIGURATION COMPLETE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	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 reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

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

Information Element		Value/remark
Message Type	A1, A2, A3, A4, A5, A6, A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, A4, A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6, A7, A8	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1,A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6, A7, A8	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
CN information info		Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release	A1,A2, A7, A8	
- RB identity		10
RB information to release	A2, A8	
- RB identity		11
RB information to release	A2, A8	
- RB identity		12
RB information to release	A3, A4, A5, A6	
- RB identity		20
RB information to be affected	A1,A2, A3,A4,A5, A6, A7, A8	Not Present
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
UL Transport channel information for all transport channels	A1, A2, A3, A4	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1,A2, A3, A5, A7, A8	
- Uplink transport channel type		DCH
- Transport channel identity		1
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type		DCH
- Transport channel identity		2

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



Information Element		Value/remark
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>- 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  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3,A4,A5,A6,A7, A8	FDD  Not Present
Downlink information common for all radio links	A5, A6, A7, A8	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
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 Arbitrary set to value 0..306688 by step of 512

Information Element		Value/remark
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 - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  Primary CPICH may be used <a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400</a> <del>0-chips</del> Not Present  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 - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  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
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH	A5, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present
- Downlink information for each radio link	A6	Not Present

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

## 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 COUNT-C activation time	Not checked. FDD The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER RELEASE message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER RELEASE message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

## Contents of RADIO BEARER RELEASE FAILURE message: AM

Information Element	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	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 checked

Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
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
Measured results on RACH	To be checked against requirement if specified

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
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
- SRNC identity	0000 0000 0000 0000 0001B
- S-RNTI	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors: (a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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.
- 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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.  Checked to see if it's identical to the value of XMAC-I calculated by the SS  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
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
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	128
- Timer_RST	500
- Max_RST	41

Information Element	Value/remark
- 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	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- 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	128
- Timer_RST	500
- Max_RST	41
- 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

Information Element	Value/remark
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (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	128
- Timer_RST	500
- Max_RST	41
- 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	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 Element	Value/remark
<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</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>	<ul style="list-style-type: none"> <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 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> <li>4</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>4</li> </ul>
<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</li> <li>- CHOICE CTFC Size</li> <li>- CTFC information</li> </ul> </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> <li>- Reference TFC ID</li> <li>- CHOICE mode</li> <li>- Power offset Pp-m</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>FDD</li> <li>Nor Present</li> <li>Normal</li> <li>Addition</li> <li>2bit CTFC</li> <li>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)</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</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)</li> <li>(Not Present if the above is set to Computed Gain Factors)</li> <li>15</li> <li>(Not Present if the above is set to Computed Gain Factors)</li> <li>0</li> <li>FDD</li> <li>Not Present</li> </ul>
<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 lists</li> <li>- Transmission Time Interval</li> </ul>	<ul style="list-style-type: none"> <li>DCH</li> <li>5</li> <li>Dedicated transport channels</li> <li>According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> <li>(This IE is repeated for TFI number)</li> <li>According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> </ul>

Information Element	Value/remark
- 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	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- Spreading factor	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 $P_{\text{Pilot-DPCH}}$	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
- TX Diversity mode	None
- SSdT information	Not Present

Information Element	Value/remark
- 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
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
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
- 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

Information Element	Value/remark
- 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 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	128
- Timer_RST	500
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- 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

Information Element	Value/remark
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	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 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500

Information Element	Value/remark
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- 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	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled Gain Factors)

Information Element	Value/remark
- Gain factor $\beta_c$	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor $\beta_d$	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink Transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

## Contents of RRC CONNECTION SETUP COMPLETE message: AM

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

## Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type Integrity check info  - Message authentication code  - RRC Message sequence number  Identification of received message Protocol error information - Protocol error cause	<p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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>Not Checked</p> <p>Refer to test requirement.</p>



## Contents of SECURITY MODE COMMAND 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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

## 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 Radio bearer uplink ciphering activation time info	Not checked. 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type RRC transaction identifier Integrity check info	A1, A2, A3, A4, A5, A6	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- RRC message sequence number		SS provides the value of this IE, from its internal counter.
Integrity protection mode info Ciphering mode info Activation time	A1, A2, A3, A4, A5, A6	Not Present Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time New U-RNTI		Not Present Not Present
New C-RNTI	A1, A2, A3, A4	Not Present

Information Element	Condition	Value/remark
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
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 <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>	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 <a href="#">Computed</a>Gain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to <a href="#">Computed</a>Gain Factors)</p> <p>0</p> <p>FDD</p> <p>Not Present</p>
Added or Reconfigured UL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
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>	A4	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>   <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>	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 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



Information Element	Condition	Value/remark
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> </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> </li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li> </li> <li>- Type of channel coding</li> <li> </li> <li>- Coding Rate</li> <li> </li> <li>- Rate matching attribute</li> <li> </li> <li>- CRC size</li> <li> </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  -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> </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> </li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li> </li> <li>- Type of channel coding</li> <li> </li> <li>- Coding Rate</li> <li> </li> <li>- Rate matching attribute</li> <li> </li> <li>- CRC size</li> <li> </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
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3,A4,A5,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1,A2,A3,A4,A5,A6	33dBm

Information Element	Condition	Value/remark
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>- DPCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</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 <ul style="list-style-type: none"> <li>Uplink DPCH info</li>   <li>-6dB</li> <li>1 frame</li> <li>7 frames</li> <li>Algorithm1</li> <li>1dB</li> <li>Long</li> <li>0 (0 to 16777215)</li> <li>Not Present(1)</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> </ul>	
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD <ul style="list-style-type: none"> <li>Not Present</li> </ul>
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 <ul style="list-style-type: none"> <li>Maintain</li> <li>Not Present</li>   <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>	
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 <ul style="list-style-type: none"> <li>Initialise</li> <li>Not Present</li>   <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Arbitrary set to value 0..306688 by step of 512</li> </ul>	
Downlink information for each radio link list	A1, A2, A3	

Information Element	Condition	Value/remark
<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>- 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-DPCH}</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>- SS DT Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used  <a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 38400-chips</a></p> <p>0</p> <p>Not Present</p> <p>4</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>
<p>Downlink information for each radio link list</p> <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>- 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-DPCH}</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>- SS DT 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)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used  Set to value: Default DPCH Offset Value mod 38400</p> <p>0</p> <p>Not Present</p> <p>4</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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>- SCCPCH information for FACH</li> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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>- SCCPCH information for FACH</li> </ul>	A6	<p>FDD</p> <p>Different from the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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

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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The UE shall include this IE if the following two conditions are fulfilled: (a) The TRANSPORT CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The TRANSPORT CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	The presence if this IE is dependent on IXT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- Message authentication code	
- RRC Message sequence number	SS provides the value of this IE, from its internal counter. FDD
CHOICE mode	
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	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- Message authentication code	
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
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 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	
- SRNC identity	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- S-RNTI	0000 0000 0001B
RRC transaction identifier	0000 0000 0000 0000 0001B
Integrity check info	Arbitrarily selects and integer between 0 and 3
- message authentication code	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- 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	See the test content
Downlink counter synchronisation info	Not Present

## Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
Integrity check info	
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	Not Present
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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM, (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

### 9.1.2 Default Message Contents for Signalling (TDD)

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
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 - Paging cause - CN domain identity - CHOICE UE identity - IMSI (GSM-MAP) BCCH modification info	CN identity Terminating Conversational 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 (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
Message Type	0
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
- Radio bearer downlink ciphering activation time 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
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE



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

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>- 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>	<ul style="list-style-type: none"> <li>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set All</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set DCH</li> <li>2</li> </ul>
<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>- 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>	<ul style="list-style-type: none"> <li>Dedicated transport channels</li> <li>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</li> <li>All</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set DCH</li> <li>3</li> </ul>
<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>- 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>	<ul style="list-style-type: none"> <li>Dedicated transport channels</li> <li>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</li> <li>All</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set TDD (no data)</li> </ul>
<p>CHOICE mode</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>	<ul style="list-style-type: none"> <li>Not Present</li> <li>TDD</li> <li>Same as UL</li> </ul>
<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>	
<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>	<ul style="list-style-type: none"> <li>DCH</li> <li>6</li> <li>Same as UL</li> <li>DCH</li> <li>1</li> </ul>
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	<ul style="list-style-type: none"> <li>-6.3</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> </ul>	<ul style="list-style-type: none"> <li>DCH</li> <li>7</li> <li>Same as UL</li> </ul>

Information Element	Value/remark
<ul style="list-style-type: none"> <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>DCH 2</p> <p>Not Present DCH 8</p> <p>Same as UL DCH 3</p> <p>Not Present</p>
<p>Frequency info</p> <ul style="list-style-type: none"> <li>- UARFCN Nt)</li> </ul>	<p>Reference to clause 5.1 Test frequencies</p>
<p>Maximum allowed UL TX power</p>	<p>30dBm</p>
<p>CHOICE channel requirement</p>	<p>Uplink DPCH info</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</li> <li>- CHOICE TDD option <ul style="list-style-type: none"> <li>- Individual timeslot interference info</li> <li>- DPCH Constant Value</li> </ul> </li> </ul>	<p>TDD Reference to TS34.108 Parameter set. Individually signalled 3.84 Mcps</p>
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List</li> </ul>	<p>TDD Not Present</p>
<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> </ul>	<p>1</p> <p><math>(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256</math> infinite</p> <p>Reference to TS34.108 clause 6 Parameter Set. Reference to TS34.108 clause 6 Parameter set. Reference to TS34.108 clause 6 Parameter set.</p>
<ul style="list-style-type: none"> <li>- Repetition Period</li> <li>- Repetition Length</li> </ul>	<p>Reference to TS34.108 clause 6 Parameter set. Reference to TS34.108 clause 6 Parameter set.</p>
<ul style="list-style-type: none"> <li>- Uplink DPCH timeslots and code</li> <li>- First individual timeslot info</li> <li>- Timeslot number</li> </ul>	<p>The number of an uplink timeslot that has unassigned codes.</p>
<ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> </ul>	<p>TRUE</p>
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> <li>- Midamble allocation mode</li> <li>- Midamble configuration burst type 1 and 3</li> </ul>	<p>3.84 Mcps Default 16</p>
<ul style="list-style-type: none"> <li>- CHOICE TDD option</li> <li>- First timeslot channelisation codes</li> </ul>	<p>3.84 Mcps TDD (no data) Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.</p>
<ul style="list-style-type: none"> <li>- Channelisation code</li> </ul>	<p>(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.</p>
<ul style="list-style-type: none"> <li>- CHOICE more timeslots</li> </ul>	<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>Downlink information common for all radio links</p>	
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> </ul>	<p>Maintain</p>
<ul style="list-style-type: none"> <li>- Timing indicator</li> </ul>	<p>Not Present</p>
<ul style="list-style-type: none"> <li>- CFN-targetSFN frame offset</li> </ul>	
<ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> </ul>	

Information Element	Value/remark
<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</li> <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> <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> <li>- Midamble configuration burst type 1 and 3</li> </ul> </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> </ul> </li> <li>- Last channelisation code</li> <li>- Bitmap</li> <li>- CHOICE more timeslots</li> </ul> </li> <li>- UL CCTrCH TPC List</li> <li>-SCCPCH information for FACH</li> </ul> </li></ul>	<ul style="list-style-type: none"> <li>TDD</li> <li>1 dB</li> <li>TDD</li> <li>3.84 Mcps (no data)</li> <li>0</li> <li>TDD</li> <li>3.84 Mcps</li> <li>Sync Case 1</li> <li>PCCPCH timeslot</li> <li>0</li> <li>TDD</li> <li>1</li> <li>(256+CFN-(CFN mod 8 + 8))mod 256</li> <li>infinite</li> <li>Reference to TS34.108</li> <li>TRUE</li> <li>Reference to TS34.108 clause 6 Parameter set</li> <li>1</li> <li>Empty</li> <li>The number of a downlink timeslot that has unassigned codes.</li> <li>TRUE</li> <li>3.84 Mcps</li> <li>Default</li> <li>As defined in 3GPP TS 25.221</li> <li>(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..</li> <li>(j/SF) where j is the highest numbered code that is being assigned in the slot.</li> <li>Bitmap of the codes that are being assigned in the slot.</li> <li>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..</li> <li>Not Present</li> <li>Not Present</li> </ul>

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

Information Element	Value/remark
Message Type	0
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
- Radio bearer downlink ciphering activation time 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
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE

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

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>- 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>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 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 DCH 2</p>
<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>- 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>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 Reference to TS34.108 clause 6 Parameter Set (This IE is repeated for TFI number.) 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 DCH 3</p>
<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>- 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>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 Reference to TS34.108 clause 6 Parameter Set (This IE is repeated for TFI number.) 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 TDD (no data)</p>
<p>CHOICE mode 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 TDD 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>	
<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>	<p>DCH 6 Same as UL DCH 1</p>
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	<p>-6.3</p>
<ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> </ul>	<p>DCH 7 Same as UL</p>

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



Information Element	Value/remark
<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>- TSTD indicator</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</li> <li>- TSTD indicator</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</li> <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> <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>-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> </ul> </li> </ul> </li> <li>- First timeslot channelisation codes <ul style="list-style-type: none"> <li>- First channelisation code</li> </ul> </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> </li></ul>	<ul style="list-style-type: none"> <li>TDD</li> <li>1 dB</li> <li>TDD</li> <li>1.28 Mcps</li> <li>TRUE</li> <li>0</li> <li>TDD</li> <li>1.28 Mcps</li> <li>TRUE</li> <li>0</li> <li>FALSE</li> <li>TDD</li> <li>1</li> <li>(256+CFN-(CFN mod 8 + 8))mod 256</li> <li>infinite</li> <li>Reference to TS34.108</li> <li>TRUE</li> <li>Reference to TS34.108 clause 6 Parameter set</li> <li>1</li> <li>Empty</li> <li>The number of a downlink timeslot that has unassigned codes.</li> <li>TRUE</li> <li>1.28 Mcps</li> <li>Default</li> <li>16</li> <li>1.28 Mcps</li> <li>QPSK</li> <li>1</li> <li>(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..</li> <li>(j/SF) where j is the highest numbered code that is being assigned in the slot.</li> <li>Bitmap of the codes that are being assigned in the slot.</li> <li>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..</li> <li>Not Present</li> <li>Not Present</li> </ul>

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

Information Element	Value/remark
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	
- RAB info	
- RAB identity	0000 0101B
- 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	<del>No Discard</del> Max-DAT retransmissions
- MAX_DAT	<del>415</del>
<del>Timer_MRW</del>	<del>400</del>
<del>MaxMRW</del>	<del>4</del>
- Transmission window size	<del>8128</del>
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
<del>- Poll_PDU</del>	<del>Not Present</del>
- 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	<del>8128</del>
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	<del>200</del> Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- 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	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	7
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	8
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH

Information Element	Value/remark
<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>	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> </ul>	Not Present TDD
<ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li> </ul>	(This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCvalue is refer to TS34.108 clause 6 Parameter Set.)
<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>	(This IE is repeated for TFC number.) Normal
<ul style="list-style-type: none"> <li>- CTFC information</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
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> </ul>	Not Present TDD Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
<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> </ul> </li> </ul>	DCH 1
<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> </ul>	Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present
<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> </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 All
CHOICE mode	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 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> </ul>	Not Present TDD
<ul style="list-style-type: none"> <li>- Individual DL CCTrCH information</li> <li>- DL TFCS Identity</li> <li>- TFCS Id</li> <li>- Shared Channel Indicator</li> </ul>	1 FALSE
<ul style="list-style-type: none"> <li>- CHOICE DL parameters               <ul style="list-style-type: none"> <li>- DL DCH TFCS</li> <li>- CHOICE TFCI signalling                   <ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS</li> </ul> </li> </ul> </li> </ul>	Independent (This IE is repeated for TFC number.) Normal  Complete
representation	
<ul style="list-style-type: none"> <li>- TFCS complete reconfigure information</li> <li>- CHOICE CTFC Size</li> </ul>	Refer to TS34.108 clause 6.

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

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

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

Information Element	Value/remark
Message Type	
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
- Radio bearer downlink ciphering activation time 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
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	
- RAB info	
- RAB identity	0000 0101B
- 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	Max DAT retransmissions
- MAX_DAT	4
- Timer_MRW	100
- MaxMRW	4
- Transmission window size	8
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- 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	8
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	200
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	



Information Element	Value/remark
<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</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               <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>	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 7 Not Present Not Present
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> </ul>	Not Present
<ul style="list-style-type: none"> <li>- CHOICE mode               <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information                   <ul style="list-style-type: none"> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li> </ul> </li> </ul> </li> </ul>	TDD  (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCvalue is refer to TS34.108 clause 6 Parameter Set.)
<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>	(This IE is repeated for TFC number.) Normal
<ul style="list-style-type: none"> <li>- CTFC information</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
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul>	TDD
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
<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> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>	DCH 1
<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>	Reference to TS34.108 clause 6 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>- Transmission Time Interval</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Number of Transport blocks</li> </ul>	Reference to TS34.108 clause 6 Parameter Set
<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>	
<ul style="list-style-type: none"> <li>- Transmission time interval</li> </ul>	Reference to TS34.108 clause 6 Parameter Set
<ul style="list-style-type: none"> <li>- Type of channel coding</li> </ul>	Reference to TS34.108 clause 6 Parameter Set
<ul style="list-style-type: none"> <li>- Coding Rate</li> </ul>	Reference to TS34.108 clause 6 Parameter Set
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> </ul>	Reference to TS34.108 clause 6 Parameter Set
<ul style="list-style-type: none"> <li>- CRC size</li> </ul>	Reference to TS34.108 clause 6 Parameter Set

Information Element	Value/remark
CHOICE mode	TDD (no data)
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Individual DL CCTrCH information	
- DL TFCS Identity	1
- TFCS Id	FALSE
- Shared Channel Indicator	Independent
- CHOICE DL parameters	(This IE is repeated for TFC number.)
- DL DCH TFCS	Normal
- CHOICE TFCS signalling	
- TFCS Field 1 information	Complete
- CHOICE TFCS representation	
- TFCS complete reconfigure information	
- CHOICE CTFC Size	Refer to TS34.108 clause 6.
- CTFC information	Refer to TS34.108 clause 6.
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Explicit
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number)
- RLC Size	Reference to TS34.108 clause 6 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6 Parameter Set
- CHOICE Logical Channel list	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6 Parameter Set
- CRC size	Reference to TS34.108 clause 6 Parameter Set
- DCH quality target	
- BLER Quality value	-6.3
Frequency info	
-CHOICE mode	TDD
- UARFCN (Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30 dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- UL Target SIR	Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info	Individually signaled
- CHOICE TDD option	1.28 Mcps
- TPC step size	1 dB
- Primary CCPCH Tx Power	Not Present
- CHOICE mode	TDD

Information Element	Value/remark
- Uplink Timing Advance Control	Not Present
- UL CCTrCH List	1
- TFCS Id	1
- Time info	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Activation time	Infinite
- Duration	Infinite
- Common timeslot info	Reference to TS34.108 clause 6 Parameter Set
- 2nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- First individual timeslot info	The number of an uplink timeslot that has unassigned codes.
- Timeslot number	TRUE
- TFCI existence	TRUE
- Midamble shift and burst type	1.28 Mcps
- CHOICE TDD option	Default
- Midamble allocation mode	16
- Midamble configuration	1.28 Mcps TDD
- CHOICE TDD option	QPSK
- Modulation	1
- SS-TPC Symbols	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
- First timeslot channelisation codes	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.
- Channelisation code	The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned.
- CHOICE more timeslots	
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	Maintain
- Timing indicator	Not Present
- CFN-targetSFN frame offset	0 (single)
- Downlink DPCH power control information	TDD
- DPC mode	1 dB
- CHOICE mode	TDD
- TPC step size	1.28 Mcps
- CHOICE mode	TRUE
- CHOICE TDD option	Not Present
- TSTD indicator	Not Present
- Default DPCH Offset Value	
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	TDD
- CHOICE mode	1.28 Mcps
- CHOICE TDD option	TRUE
- TSTD indicator	0
- Cell parameters ID	FALSE
- Block STTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	1
- TFCS ID	1
- Time info	(256+CFN-(CFN mod 8 + 8))mod 256
- Activation time	infinite
- Duration	infinite
- Common timeslot info	Reference to TS34.108
- 2nd interleaving mode	TRUE
- TFCI coding	Reference to TS34.108 clause 6 Parameter set
- Puncturing limit	1
- Repetition period	Empty
- Repetition length	

Information Element	Value/remark
- Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number	The number of a downlink timeslot that has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type -CHOICE TDD option	1.28 Mcps
-Midamble Allocation Mode	Default
- Midamble configuration	16
- CHOICE TDD option	1.28 Mcps TDD
- Modulation	QPSK
- SS-TPC Symbols	1
- First timeslot channelisation codes - First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

## Contents of RADIO BEARER SETUP COMPLETE message: AM

Message Type	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
Integrity check info	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- Message authentication code	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
- RRC Message sequence number	Not checked.
Uplink integrity protection activation info	TDD
CHOICE mode	Not checked
START	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.
COUNT-C activation time	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.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

## 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB release procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

## Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
Initial UE identity	
- CHOICE UE id type	
- IMSI (GSM-MAP)	Set to the UE's IMSI (GSM-MAP) or TMSI.
Establishment cause	To be checked against requirement if specified
Protocol error indicator	FALSE
Measured results on RACH	Not checked

## Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
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.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	0
Integrity check info	The presence of this IE depends on 2 factors: (a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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.
- 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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. Checked to see if it's identical to the value of XMAC-I calculated by the SS 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
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST message
RRC transaction identifier	0
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
- UE radio access FDD capability update requirement	FALSE
- UE radio access TDD capability update requirement	TRUE
- System specific capability update requirement list	gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- 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
- 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	41515

Information Element	Value/remark
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- 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	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	44515
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200



Information Element	Value/remark
- 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	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	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	<del>4</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>4</del> 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

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

Information Element	Value/remark
<ul style="list-style-type: none"> <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>	signalling radio bearer (This IE is repeated for TFI number) TDD According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer All
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> </ul> </li> <li>- Shared Channel Indicator</li> </ul> </li> <li>- CHOICE DL parameters</li> </ul>	Not Present TDD  1  Same as UL
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> </ul> </li> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- DCH quality target <ul style="list-style-type: none"> <li>- BLER Quality target</li> </ul> </li> </ul>	DCH 10 Same as UL DCH 5  -6.3 Not Present Not Present Uplink DPCH info
Frequency info	
Maximum allowed UL TX power	
HOICE channel requirement	
<ul style="list-style-type: none"> <li>- Uplink DPCH power control info <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> </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 interference info <ul style="list-style-type: none"> <li>- Individual timeslot interference</li> <li>- DPCH Constant Value</li> </ul> </li> <li>- Primary CCPCH Tx Power</li> </ul> </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> </ul> </li> <li>- Uplink DPCH timeslots and codes</li> <li>- CPCH SET Info</li> </ul>	TDD 3.84 Mcps Reference to TS34.108 Parameter set TDD Individually signalled 3.84 Mcps Not Present  Not Present  (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 Default is to use the old timeslots and codes (no data)
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 <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>	Maintain Not Present  0 (single) TDD 3.84 Mcps (no data) Not Present
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 <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> </ul>	TDD  Sync Case 1 PCCPCH timeslot 0

Information Element	Value/remark
- Downlink DPCH info for each RL	TDD
- CHOICE mode	1
- DL CCTrCH List	(256+CFN-(CFN mod 8 + 8))mod 256
- TFCS ID	infinite
- Time info	
- Activation time	
- Duration	
- Common timeslot info	Reference to TS34.108
- 2 <sup>nd</sup> interleaving mode	TRUE
- TFCI coding	Reference to TS34.108 clause 6 Parameter set
- Puncturing limit	1
- Repetition period	Empty
- Repetition length	
- Downlink DPCH timeslots and codes	
- CHOICE <i>more timeslots</i>	
- CHOICE TDD option	3.84 Mcps
- Timeslot number	The number of a downlink timeslot that has unassigned codes in a frame.
- Individual timeslot info	
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	3.84 Mcps
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst 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 (Transition to CELL\_DCH) (1.28 Mcps TDD option)

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

Information Element	Value/remark
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
- 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	<del>41</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>41</del>
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	<del>41</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>41</del>
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps 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	<del>415</del> 15
- Transmission window size	128
- Timer_RST	500
- Max_RST	<del>41</del>
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

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



Information Element	Value/remark
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC size	
- Number of TBs and TTI lists	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer (This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS ID	1
- Shared Channel Indicator	
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- DCH quality target	
- BLER Quality target	-6.3
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
HOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- CHOICE <i>TDD option</i>	1.28 Mcps
- PRXPDPCHdes	Reference to TS34.108 Parameter set
- CHOICE mode	TDD
- CHOICE <i>UL OL PC info</i>	Individually signalled
- CHOICE <i>TDD option</i>	1.28 Mcps
- TPC step size	Not Present
- Primary CCPCH Tx Power	Not Present
- 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	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD

Information Element	Value/remark
<ul style="list-style-type: none"> <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> </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> <ul style="list-style-type: none"> <li>- CHOICE TDD option</li> <li>- Timeslot number</li> </ul> </li> <li>- Individual timeslot info <ul style="list-style-type: none"> <li>- TFCI existence</li> <li>- Midamble shift and burst type</li> </ul> </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> <li>- Midamble configuration</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> </ul> </li> <li>- CHOICE more timeslots</li> </ul> </li> <li>- UL CCTrCH TPC List</li> <li>-SCCPCH information for FACH</li> </ul>	<p>Sync Case 1 PCCPCH timeslot 0</p> <p>TDD</p> <p>1</p> <p><math>(256+CFN-(CFN \bmod 8 + 8)) \bmod 256</math> infinite</p> <p>Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1 Empty</p> <p>1.28 Mcps The number of a downlink timeslot that has unassigned codes in a subframe.</p> <p>TRUE</p> <p>1.28 Mcps</p> <p>Default 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.. (j/SF) where j is the highest numbered code that is 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..</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	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

## Contents of SECURITY MODE COMMAND message: AM

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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If ciphering is not indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
- UEA1	If ciphering is indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
- Spare	FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use the same ciphering algorithm specified in "ciphering algorithm capability" IE in this message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	Supported domain
UE system specific security capability	Not Checked

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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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, 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 with 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	05h

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

Information Element	Condition	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	A1,A3	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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 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	A1	0000 0001B 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 - Re-establishment timer - RB information to setup list - RB information to setup - RB identity	A3	0000 0101B PS domain Not Present UseT314  20

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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_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>		<p>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 <del>200</del>Not Present TRUE Not Present</p> <p><b>2RBMuxOptions</b> Not Present 1 DCH 1 Not Present Configured 8</p> <p>1 DCH 6 Not Present Not Present Not Present 1 RACH Not Present 7 Explicit List Reference to TS34.108 clause 6 Parameter Set <b>8</b></p> <p>1 FACH Not Present Not Present Not Present</p>
<p>RB information to be affected list</p> <p>Downlink counter synchronisation info</p>	A1,A3	<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> </ul>	A1,A3	<p>Not Present FDD Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p>

Information Element	Condition	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 <ul style="list-style-type: none"> <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> </li> <li>- 2bit CTFC</li> <li>- Power offset Information <ul style="list-style-type: none"> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <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> </li> <li>- 2bit CTFC</li> <li>- Power offset Information <ul style="list-style-type: none"> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <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> </li> <li>- 2bit CTFC</li> <li>- Power offset Information <ul style="list-style-type: none"> <li>- CHOICE Gain Factors <ul style="list-style-type: none"> <li>- Reference TFC ID</li> </ul> </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> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- Power offset <math>P_{p-m}</math></li> </ul> </li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>2 bit CTFC</li> <li>4 TFCs</li> <li>0</li> <li>Computed Gain Factors</li> <li>0</li> <li>FDD</li> <li>Not Present</li> <li>2</li> <li>Computed Gain Factors</li> <li>0</li> <li>FDD</li> <li>Not Present</li> <li>1</li> <li>Computed Gain Factors</li> <li>0</li> <li>FDD</li> <li>Not Present</li> <li>3</li> <li>Signalled Gain Factors</li> <li>FDD</li> <li>8</li> <li>15</li> <li>0</li> <li>FDD</li> <li>Not Present</li> <li>Not Present</li> </ul>
Deleted UL TrCH information list		
<ul style="list-style-type: none"> <li>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 <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 <ul style="list-style-type: none"> <li>- CHOICE Logical Channel List</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> </ul> </li> </ul>	A1	<ul style="list-style-type: none"> <li>1</li> <li>DCH</li> <li>1</li> <li>Dedicated transport channels</li> <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> </ul>
<ul style="list-style-type: none"> <li>CHOICE mode <ul style="list-style-type: none"> <li>- CPCH set ID</li> </ul> </li> <li>- Added or Reconfigured TrCH information for DRAC list</li> </ul>	A1, A3	<ul style="list-style-type: none"> <li>FDD</li> <li>Not Present</li> <li>Not Present</li> </ul>
<ul style="list-style-type: none"> <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>- CHOICE DL parameters</li> </ul> </li> </ul>	A1,A3	<ul style="list-style-type: none"> <li>Not Present</li> <li>FDD</li> <li>Same as UL</li> </ul>
<ul style="list-style-type: none"> <li>Deleted DL TrCH information list</li> <li>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> </ul> </li> </ul>	A1,A3	<ul style="list-style-type: none"> <li>Not Present</li> <li>1</li> <li>DCH</li> <li>6</li> </ul>



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		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>- 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>	A1,A3	Not Present 33dBm Uplink DPCH info  FDD -6dB 1 frame 7 frames Algorithm1 1dB FDD Long 0 (0 to 16777215) 1 64 TRUE 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</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>	A1,A3	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 for 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> <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>	A1,A3	FDD  100 Not Present Not Present  FDD Primary CPICH may be used <a href="#">Set to value Default DPCH Offset Value ( as currently stored in SS) mod 384000-chips</a> Not Present  1 128 0 No change 0 Not Present 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
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. 0000 0000 0001B
- SRNC identity	0000 0000 0000 0000 0001B
- S-RNTI	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE depends on 2 factors: (a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- Message authentication code	SS provides the value of this IE, from its internal counter.
- RRC Message sequence number	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
N308	Normal event
Release cause	Not Present
Rplmn information	

## Contents of RRC CONNECTION SETUP message: UM

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

Information Element	Value/remark
<ul style="list-style-type: none"> <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> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> </ul>	<ul style="list-style-type: none"> <li>AM RLC</li> <li>No Discard</li> <li>15</li> <li>128</li> <li>500</li> <li>41</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>128</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>2</li> <li>Configured</li> <li>2</li> <li>1</li> <li>DCH</li> <li>10</li> <li>Not Present</li> <li>2</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>2</li> <li>Explicit List</li> <li>Reference to TS34.108 clause 6 Parameter Set</li> <li>2</li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>2</li> <li>(AM DCCH for NAS_DT High priority)</li> <li>Not Present</li> </ul>

Information Element	Value/remark
- 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	41
- 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- Transmission RLC discard	No Discard
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	41
- 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	

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

Information Element	Value/remark
- Uplink DPCH power control info	
- DPCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{\text{Pilot-DPCH}}$	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	1
- Spreading factor	256
- 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 SECURITY MODE COMMAND 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 an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Use the same ciphering algorithm specified in "ciphering
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

## 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	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 (3.84 Mcps TDD)

Information Element	Condition	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	A1,A3	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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 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	A1	0000 0001B 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 - Re-establishment timer - RB information to setup list - RB information to setup - RB identity	A3	0000 0101B PS domain Not Present UseT314  20

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 RLC info AM RLC</p> <p>No discard 15 128 500 4</p> <p>200 200 1 TRUE TRUE 99 Not Present AM RLC TRUE 128</p> <p>200 200 TRUE Not Present</p> <p><b>2RBMuxOptions</b> Not Present 1 DCH 1 Not Present Configured 8</p> <p>1 DCH 6 Not Present Not Present Not Present 1 RACH Not Present 7 Explicit List Reference to TS34.108 clause 6 Parameter Set <b>8</b></p> <p>1 FACH Not Present Not Present Not Present</p>
<ul style="list-style-type: none"> <li>RB information to be affected list</li> <li>Downlink counter synchronisation info</li> </ul>	A1,A3	<p>Not Present Not Present</p>
<ul style="list-style-type: none"> <li>UL Transport channel information for all transport channels</li> <li>- PRACH TFCS</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li> <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling</li> </ul>	A1,A3	<p>Not Present TDD</p> <p>(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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li>   <li>- CTFC information</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> </ul> Deleted UL TrCH information list		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 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> <li>- CHOICE UL OL PC info</li> <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>   <li>- CHOICE mode</li> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List</li> </ul>	A1,A3	Not Present 30dBm Uplink DPCH info  TDD Reference to TS34.108 Parameter set. Individually signalled 3.84 Mcps  Values are used for open loop power control, section 8 in TS 25.331 TDD Not Present

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>- 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 <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>1</p> <p><math>(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256</math> 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. TRUE</p> <p>3.84 Mcps</p> <p>Default 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. (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>TDD (no data)</p>
<p>CHOICE Mode</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 indicator</li> <li>- CFN-targetSFN frame offset</li> <li>- Downlink DPCH power control information</li> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- DPC mode <ul style="list-style-type: none"> <li>- CHOICE TDD mode</li> </ul> </li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul>	A1,A3	<p>Maintain Not Present</p> <p>TDD 0 (single) 3.84 Mcps (no data) 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 <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> <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> </ul> </li> <li>- TFCI coding</li> <li>- Puncturing limit</li> </ul> </li> </ul> </li> <li>- Repetition period</li> </ul> </li> </ul>	A1,A3	<p>TDD</p> <p>Sync Case 1 PCCPCH timeslot 0</p> <p>TDD</p> <p>1</p> <p><math>(256+CFN-(CFN \text{ mod } 8 + 8))\text{mod } 256</math> infinite</p> <p>Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set</p> <p>1</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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> <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   <ul style="list-style-type: none"> <li>- Midamble configuration burst type 1 and 3</li> </ul> </li> </ul> </li> </ul> </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>		Empty  The number of a downlink timeslot that has 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

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
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	A1,A3	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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 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	A1	0000 0001B 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 - Re-establishment timer - RB information to setup list - RB information to setup - RB identity	A3	0000 0101B PS domain Not Present UseT314  20



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 RLC info AM RLC</p> <p>No discard 15 128 500 4</p> <p>200 200 1 TRUE TRUE 99 Not Present AM RLC TRUE 128</p> <p>200 200 TRUE Not Present</p> <p><b>2RBMuxOptions</b> Not Present 1 DCH 1 Not Present Configured 8</p> <p>1 DCH 6 Not Present Not Present Not Present 1 RACH Not Present 7 Explicit List Reference to TS34.108 clause 6 Parameter Set <b>8</b></p> <p>1 FACH Not Present Not Present Not Present</p>
RB information to be affected list Downlink counter synchronisation info	A1,A3	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>- Individual UL CCTrCH information</li> <li>- TFCS ID</li> <li>- Allowed Transport Format combination</li>   <li>- PRACH TFCS</li> <li>- CHOICE TFCI signalling</li> </ul>	A1,A3	<p>Not Present TDD</p> <p>(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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- TFCI Field 1 information</li> <li>- TFCS complete reconfigure information</li> <li>- CHOICE TFCS Size</li>   <li>- CTFC information</li> <li>- CHOICE mode</li> <li>- Individual UL CCTrCH information</li> </ul> Deleted UL TrCH information list		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 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</li> <li>- UL Target SIR</li> <li>- CHOICE UL OL PC info</li> <li>- CHOICE TDD option</li> <li>- TPC step size</li> <li>- Primary CCPCH Tx Power</li> <li>- CHOICE mode</li> <li>- Uplink Timing Advance Control</li> <li>- UL CCTrCH List</li> <li>- TFCS Id</li> <li>- Time info</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 Not Present  1

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>- 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>(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.</p> <p>TDD (no data)</p>
<p>CHOICE Mode</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 indicator</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 <ul style="list-style-type: none"> <li>- CHOICE TDD mode</li> </ul> </li> <li>- TSTD indicator</li> </ul> </li> <li>- Default DPCH Offset Value</li> </ul>	A1,A3	<p>Maintain Not Present</p> <p>TDD 1 dB 1.28 Mcps TRUE</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 <ul style="list-style-type: none"> <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> </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> </ul> </li> <li>- Repetition period</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> <p>Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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> <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> </ul> </li> <li>- Midamble configuration</li> <li>- Modulation <ul style="list-style-type: none"> <li>- SS-TPC Symbols</li> </ul> </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>		<p>Empty</p> <p>The number of a downlink timeslot that has unassigned codes. TRUE</p> <p>1.28 Mcps Default 16 QPSK 1</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.. (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</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 RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type U-RNTI <ul style="list-style-type: none"> <li>- SRNC identity</li> <li>- S-RNTI</li> </ul> RRC transaction identifier Integrity check info  <ul style="list-style-type: none"> <li>- Message authentication code</li> <li>- RRC Message sequence number</li> </ul> N308  Release cause Rplmn information	<p>This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent. 0000 0000 0001B 0000 0000 0000 0000 0001B Arbitrarily selects an integer between 0 and 3 The presence of this IE depends on 2 factors: (a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event Not Present</p>

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

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

Information Element	Value/remark
<ul style="list-style-type: none"> <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> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> </ul>	<ul style="list-style-type: none"> <li>AM RLC</li> <li>No Discard</li> <li>415</li> <li>128</li> <li>500</li> <li>4</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>128</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>2</li> <li>Configured</li> <li>2</li> <li></li> <li>1</li> <li>DCH</li> <li>10</li> <li>Not Present</li> <li>2</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>2</li> <li>Explicit List</li> <li>Reference to TS34.108 clause 6 Parameter Set</li> <li>2</li> <li></li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>2</li> <li>(AM DCCH for NAS_DT High priority)</li> <li>Not Present</li> </ul>

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- Transmission RLC discard	No 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE Mode	TDD
- Individual UL CCTrCH information	
- UL TFCS ID	(This IE is repeated for TFC number.)



Information Element	Value/remark
<ul style="list-style-type: none"> <li>- UL TFCS</li> <li>- TFC subset</li> </ul>	Default value is the complete existing set of transport format combinations
<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>- PRACH TFCS</li> <li>- CHOICE TFCI signalling</li> </ul>	(This IE is repeated for TFC number.) Normal
<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>	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> </ul>	Not Present
<ul style="list-style-type: none"> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul>	TDD
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 <ul style="list-style-type: none"> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> </ul> </li> </ul>	DCH 5
<ul style="list-style-type: none"> <li>- TFS</li> <li>- CHOICE Transport channel type</li> </ul>	Dedicated transport channels
<ul style="list-style-type: none"> <li>- Dynamic Transport Format Information</li> <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> <li>- CHOICE mode</li> </ul>	(This IE is repeated for TFI number) TDD
<ul style="list-style-type: none"> <li>- Transmission Time Interval</li> <li>- CHOICE Logical channel list</li> </ul>	According to TS34.108 clause 6 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> <li>- CHOICE mode</li> </ul>	Not Present 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 <ul style="list-style-type: none"> <li>- Downlink transport channel type</li> <li>- DL Transport channel identity</li> </ul> </li> </ul>	DCH 10
<ul style="list-style-type: none"> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> </ul>	Same as UL DCH
<ul style="list-style-type: none"> <li>- UL TrCH Identity</li> <li>- DCH quality target</li> </ul>	5
<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> <li>- CHOICE mode</li> </ul>	TDD
<ul style="list-style-type: none"> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- UL target SIR</li> </ul> </li> </ul>	3.84 Mcps Reference to TS34.108 Parameter set
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- CHOICE <i>UL OL PC info</i></li> </ul>	TDD Individually signalled
<ul style="list-style-type: none"> <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> </ul> </li> </ul>	3.84 Mcps Not Present
<ul style="list-style-type: none"> <li>- Time info</li> <li>- Activation time</li> </ul>	Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256

Information Element	Value/remark
- Duration	Infinite
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps (no data)
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512
Downlink information for per radio links list	
-Downlink information for each radio links	
- CHOICE mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	$(256+CFN-(CFN \bmod 8 + 8)) \bmod 256$
- Duration	infinite
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE <i>more timeslots</i>	
- CHOICE TDD option	3.84 Mcps
- Timeslot number	The number of a downlink timeslot that has unassigned codes in a frame.
- Individual timeslot info	
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	3.84 Mcps
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst 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

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

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

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

Information Element	Value/remark
<ul style="list-style-type: none"> <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> <li>- Signalling RB information to setup</li> <li>- RB identity</li> <li>- CHOICE RLC info type</li> <li>- RLC info</li> </ul>	<ul style="list-style-type: none"> <li>AM RLC</li> <li>No Discard</li> <li>415</li> <li>128</li> <li>500</li> <li>4</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>128</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>2</li> <li>Configured</li> <li>2</li> <li></li> <li>1</li> <li>DCH</li> <li>10</li> <li>Not Present</li> <li>2</li> <li>Not Present</li> <li>1</li> <li>RACH</li> <li>Not Present</li> <li>2</li> <li>Explicit List</li> <li>Reference to TS34.108 clause 6 Parameter Set</li> <li>2</li> <li></li> <li>1</li> <li>FACH</li> <li>Not Present</li> <li>Not Present</li> <li>2</li> <li>(AM DCCH for NAS_DT High priority)</li> <li>Not Present</li> </ul>

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- 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
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

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

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- UL TFCS</li> <li>- TFC subset</li> <li style="padding-left: 20px;">- Allowed Transport Format combination</li> <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> <li>- CTFC information</li> </ul> </li> <li>- CHOICE mode <ul style="list-style-type: none"> <li>- Individual UL CCTrCH information</li> </ul> </li> </ul> Deleted TrCH information list Added or Reconfigured UL TrCH information list <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> <li>- Number of TBs and TTI List</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> </li> </ul> 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> Added or Reconfigured DL 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>- Uplink transport channel type</li> <li>- UL TrCH Identity</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul> </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 <ul style="list-style-type: none"> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- PRX<sub>DPCHdes</sub></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>- TPC step size</li> </ul> </li> <li>- Primary CCPCH Tx Power</li> </ul> </li> <li>- Primary CCPCH Tx Power</li> <li>- Time info</li> </ul> </li> <li>- Activation time</li> </ul>	<p>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.)  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  Not Present  TDD  Not Present  Not Present  1</p> <p>DCH  5</p> <p>Dedicated transport channels</p> <p>According to TS34.108 clause 6  (This IE is repeated for TFI number)  TDD  According to TS34.108 clause 6  All</p> <p>Not Present  TDD  Same as UL  1</p> <p>DCH  10  Same as UL  DCH  5</p> <p>Reference to TS 34.108  Not Present  Not Present  Uplink DPCH info</p> <p>TDD  1.28 Mcps  Reference to TS34.108 Parameter set  TDD  Individually signalled  1.28 Mcps  Not Present  Not Present</p> <p>Not Present</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p>



Information Element	Value/remark
- 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	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	TRUE
- 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	TDD
- Primary CCPCH info	
- CHOICE <i>SyncCase</i>	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	$(256+CFN-(CFN \bmod 8 + 8)) \bmod 256$
- Duration	infinite
- Common timeslot info	
- 2 <sup>nd</sup> interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE <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 Mode	Default
- Midamble configuration	As defined in 3GPP TS 25.221
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS34.108 clause 6

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

## Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	0000000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Use the same ciphering algorithm specified in "ciphering
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

3GPP TSG-T1/SIG Meeting #25  
Singapore, 18<sup>th</sup> – 20<sup>th</sup> September 2002

Tdoc: T1-020673

CR-Form-v4

## CHANGE REQUEST

⌘ 34.108 CR 145 ⌘ ev - ⌘ Current version: 3.9.0 ⌘

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

Proposed change affects: ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘ Corrections in the TDD test frequencies according to core specs		
<b>Source:</b>	⌘ Siemens		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 10/11/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
	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)

<b>Reason for change:</b>	⌘ To avoid misunderstandings, test frequencies are referred as appeared in TS34.122 and TS25.102
<b>Summary of change:</b>	⌘ <ul style="list-style-type: none"> <li>Deleting of tables for TDD test frequencies with referencies to ITU regions.</li> <li>Inclusion of new tables, based in actual versions of TS34.122 and TS25.102</li> </ul>
<b>Consequences if not approved:</b>	⌘ Information will be incomplete and confusing

<b>Clauses affected:</b>	⌘ 5.1.2
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/>
	<input type="checkbox"/> Test specifications
	<input type="checkbox"/> O&M Specifications
<b>Other comments:</b>	⌘ Approved at Singapore meeting, T1S-020588

### 5.1.2 TDD Mode Test frequencies

UTRA/TDD is designed to operate in one of three unpaired bands [12]. The reference test frequencies for the common test environment for each of the 3 operating bands are defined in the following table:

The reference test frequencies for the common test environment in the TDD [12] Bands are defined in the following tables:

Test Frequency ID	Band a		Band b		Band c	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9 513	1 902.6 MHz	9 263	1 852.6 MHz	9563	1912.6 MHz
Mid Range	9 550	1 910 MHz	9 400	1 880 MHz	9600	1920 MHz
High Range	9 587	1 917.4 MHz	9 537	1 907.4 MHz	9637	1927.4 MHz
Low Range	10 063	2 012.6 MHz	9 663	1 932.6 MHz		
Mid Range	10 087	2 017.4 MHz	9 800	1 960 MHz		
High Range	10 112	2 022.4 MHz	9 937	1 987.4 MHz		

#### 5.1.2.1 Standard TDD reference test frequencies

Test Frequency ID	Band 1		Band 2	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9-513	1-902.6 MHz	10-063	2-012.6 MHz
Mid Range	9-550	1-910 MHz	10-087	2-017.4 MHz
High Range	9-587	1-917.4 MHz	10-112	2-022.4 MHz

#### 5.1.2.2 TDD reference test frequencies for ITU Region 2

a)

Test Frequency ID	Band 1		Band 2	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9-263	1-852.6 MHz	9-663	1-932.6 MHz
Mid Range	9-400	1-880 MHz	9-800	1-960 MHz
High Range	9-537	1-907.4 MHz	9-937	1-987.4 MHz

b)

Test Frequency ID	UARFCN	Frequency (UL and DL)
Low Range	9-563	1-912.6 MHz
Mid Range	9-600	1-920 MHz
High Range	9-637	1-927.4 MHz

Test Frequency ID	UARFCN	Frequency (UL and DL)
Low Range	9554	1910.8 MHz
Mid Range	9600	1920 MHz
High Range	9646	1929.2 MHz

3GPP TSG-T1/SIG Meeting #25  
Singapore, 18<sup>th</sup> – 20<sup>th</sup> September 2002

Tdoc: T1-020674

CR-Form-v4
<b>CHANGE REQUEST</b>
⌘ <b>34.108 CR 146</b> ⌘ ev - ⌘ Current version: <b>4.4.0</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:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘ Corrections in the TDD test frequencies according to core specs		
<b>Source:</b>	⌘ Siemens		
<b>Work item code:</b>	⌘ TEI <span style="float: right;"><b>Date:</b> ⌘ 10 September 2002</span>		
<b>Category:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;">           ⌘ <b>A</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> ⌘ <b>REL-4</b>            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)         </td> </tr> </table>	⌘ <b>A</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> ⌘ <b>REL-4</b> 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)
⌘ <b>A</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> ⌘ <b>REL-4</b> 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)		

<b>Reason for change:</b>	⌘ To avoid misunderstandings, test frequencies are referred as appeared in TS34.122 and TS25.102
<b>Summary of change:</b>	⌘ <ul style="list-style-type: none"> <li>- Deleting of tables for TDD test frequencies with references to ITU regions.</li> <li>- Inclusion of new tables, based in actual versions of TS34.122 and TS25.102</li> </ul>
<b>Consequences if not approved:</b>	⌘ Information will be incomplete and confusing

<b>Clauses affected:</b>	⌘ 5.1.2									
<b>Other specs affected:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"><input type="checkbox"/></td> <td style="width: 40%;">Other core specifications</td> <td style="width: 50%;">⌘</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Test specifications</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>O&amp;M Specifications</td> <td></td> </tr> </table>	<input type="checkbox"/>	Other core specifications	⌘	<input type="checkbox"/>	Test specifications		<input type="checkbox"/>	O&M Specifications	
<input type="checkbox"/>	Other core specifications	⌘								
<input type="checkbox"/>	Test specifications									
<input type="checkbox"/>	O&M Specifications									
<b>Other comments:</b>	⌘ Approved at Singapore, T1S-020589									

## 5.1.2 TDD Mode Test frequencies

UTRA/TDD is designed to operate in one of three unpaired bands [12]. The reference test frequencies for the common test environment for each of the 3 operating bands are defined in the following tables:

The reference test frequencies for the common test environment in the TDD [12] Bands are defined in the following tables:

### 5.1.2.1 Standard TDD reference test frequencies (3.84 Mcps option)

Test Frequency ID	Band a		Band b		Band c	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9 513	1 902.6 MHz	9 263	1 852.6 MHz	9563	1912.6 MHz
Mid Range	9 550	1 910 MHz	9 400	1 880 MHz	9600	1920 MHz
High Range	9 587	1 917.4 MHz	9 537	1 907.4 MHz	9637	1927.4 MHz
Low Range	10 063	2 012.6 MHz	9 663	1 932.6 MHz		
Mid Range	10 087	2 017.4 MHz	9 800	1 960 MHz		
High Range	10 112	2 022.4 MHz	9 937	1 987.4 MHz		

Test-Frequency-ID	Band-1		Band-2	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low-Range	9-513	1-902.6-MHz	10-063	2-012.6-MHz
Mid-Range	9-550	1-910-MHz	10-087	2-017.4-MHz
High-Range	9-587	1-917.4-MHz	10-112	2-022.4-MHz

### 5.1.2.21A Standard TDD reference test frequencies (1.28 Mcps option)

Test Frequency ID	Band a		Band b		Band c	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9504	1 900.8 MHz	9254	1850.8 MHz	9554	1910.8 MHz
Mid Range	9550	1 910 MHz	9400	1880 MHz	9600	1920 MHz
High Range	9596	1 919.2 MHz	9546	1909.2 MHz	9646	1929.2 MHz
Low Range	10 054	2 010.8 MHz	9654	1930.8 MHz		
Mid Range	10 087	2 017.4 MHz	9800	1960 MHz		
High Range	10 121	2 024.2 MHz	9946	1989.2 MHz		

Test-Frequency-ID	Band-1		Band-2	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low-Range	9504	1-900.8-MHz	10-054	2-010.8-MHz
Mid-Range	9550	1-910-MHz	10-087	2-017.4-MHz
High-Range	9596	1-919.2-MHz	10-121	2-024.2-MHz

## 5.1.2.2 TDD reference test frequencies for ITU Region 2 (3.84 Mcps option)

a)

Test Frequency ID	Band 1		Band 2	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9-263	1-852.6 MHz	9-663	1-932.6 MHz
Mid Range	9-400	1-880 MHz	9-800	1-960 MHz
High Range	9-537	1-907.4 MHz	9-937	1-987.4 MHz

b)

Test Frequency ID	UARFCN	Frequency (UL and DL)
Low Range	9-563	1-912.6 MHz
Mid Range	9-600	1-920 MHz
High Range	9-637	1-927.4 MHz

## 5.1.2.2A TDD reference test frequencies for ITU Region 2 (1.28 Mcps option)

a)

Test Frequency ID	Band 1		Band 2	
	UARFCN	Frequency (UL and DL)	UARFCN	Frequency (UL and DL)
Low Range	9-254	1-850.8 MHz	9-654	1-930.8 MHz
Mid Range	9-400	1-880 MHz	9-800	1-960 MHz
High Range	9-546	1-909.2 MHz	9-946	1-989,2 MHz

b)

Test Frequency ID	UARFCN	Frequency (UL and DL)
Low Range	9554	1910.8 MHz
Mid Range	9600	1920 MHz
High Range	9646	1929,2 MHz

## CHANGE REQUEST

⌘ **34.108 CR 147** ⌘ rev **-** ⌘ Current version: **3.9.0** ⌘

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

**Proposed change affects:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘	Addition of alternative configuration using Turbo Coding for Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	
<b>Source:</b>	⌘	RAN2	
<b>Work item code:</b>	⌘	TEI	<b>Date:</b> ⌘ 2002-08-21
<b>Category:</b>	⌘	<b>F</b>	<b>Release:</b> ⌘ R99
		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)

<b>Reason for change:</b>	⌘	For all the existing RAB combinations containing an 8 kbps PS RAB, the transport channel configuration of the 8kbps PS RAB is using either Turbo Coding or alternatively Convolutional Code (only in some cases). The only exception is the combination Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH for which the coding for the 8/8 kbps PS RAB is CC only. It is considered that the test coverage of this combination is incomplete without the TC alternative.
<b>Summary of change:</b>	⌘	The Turbo Coding is added as an alternative of the 8/8 PS RAB transport channel coding in the combination Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.  There is no impact on any other RAB combination.
<b>Consequences if not approved:</b>	⌘	Incomplete test coverage of the combination Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

<b>Clauses affected:</b>	⌘	6.10.2.4.1.23a
<b>Other specs affected:</b>	⌘	<input type="checkbox"/> Other core specifications      ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> 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.

## &lt;Start of modified section&gt;

6.10.2.4.1.23a Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.23a.1 Uplink

6.10.2.4.1.23a.1.1 Transport channel parameters

6.10.2.4.1.23a.1.1.1 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	40	
	Coding type	CC 1/3 ( <a href="#">alt. TC</a> )	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1080 ( <a href="#">alt. 1068</a> )	
	Uplink: Max number of bits/radio frame before rate matching	270 ( <a href="#">alt. 267</a> )	
	RM attribute	135-175	

6.10.2.4.1.23a.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.

6.10.2.4.1.23a.1.1.3 TFCS

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

6.10.2.4.1.23a.1.2 Physical channel parameters

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

## 6.10.2.4.1.23a.2 Downlink

## 6.10.2.4.1.23a.2.1 Transport channel parameters

## 6.10.2.4.1.23a.2.1.1 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	40	
	Coding type	CC 1/3 ( <a href="#">alt. TC</a> )	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1080 ( <a href="#">alt. 1068</a> )	
	RM attribute	135-175	

## 6.10.2.4.1.23a.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.23a.2.1.3 TFCS

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

## 6.10.2.4.1.23a.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		128
	DPCCH	Number of TFCI bits/slot	2
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	32
		Number of data bits/frame	480

<End of modified section>

## CHANGE REQUEST

⌘ **34.108 CR 148** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

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

**Proposed change affects:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘	Addition of alternative configuration using Turbo Coding for Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	
<b>Source:</b>	⌘	RAN2	
<b>Work item code:</b>	⌘	TEI	<b>Date:</b> ⌘ 2002-08-21
<b>Category:</b>	⌘	<b>A</b>	<b>Release:</b> ⌘ REL-4
		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)

<b>Reason for change:</b>	⌘	For all the existing RAB combinations containing an 8 kbps PS RAB, the transport channel configuration of the 8kbps PS RAB is using either Turbo Coding or alternatively Convolutional Code (only in some cases). The only exception is the combination Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH for which the coding for the 8/8 kbps PS RAB is CC only. It is considered that the test coverage of this combination is incomplete without the TC alternative.
<b>Summary of change:</b>	⌘	The Turbo Coding is added as an alternative of the 8/8 PS RAB transport channel coding in the combination Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.  There is no impact on any other RAB combination.
<b>Consequences if not approved:</b>	⌘	Incomplete test coverage of the combination Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

<b>Clauses affected:</b>	⌘	6.10.2.4.1.23a	
<b>Other specs affected:</b>	⌘	<input type="checkbox"/> Other core specifications	⌘
		<input type="checkbox"/> Test specifications	
		<input type="checkbox"/> O&M Specifications	
<b>Other comments:</b>	⌘		

### 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.

## &lt;Start of modified section&gt;

6.10.2.4.1.23a Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.23a.1 Uplink

6.10.2.4.1.23a.1.1 Transport channel parameters

6.10.2.4.1.23a.1.1.1 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	40	
	Coding type	CC 1/3 ( <a href="#">alt. TC</a> )	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1080 ( <a href="#">alt. 1068</a> )	
	Uplink: Max number of bits/radio frame before rate matching	270 ( <a href="#">alt. 267</a> )	
	RM attribute	135-175	

6.10.2.4.1.23a.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.

6.10.2.4.1.23a.1.1.3 TFCS

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

6.10.2.4.1.23a.1.2 Physical channel parameters

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

## 6.10.2.4.1.23a.2 Downlink

## 6.10.2.4.1.23a.2.1 Transport channel parameters

## 6.10.2.4.1.23a.2.1.1 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	40	
	Coding type	CC 1/3 ( <a href="#">alt. TC</a> )	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1080 ( <a href="#">alt. 1068</a> )	
	RM attribute	135-175	

## 6.10.2.4.1.23a.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.23a.2.1.3 TFCS

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

## 6.10.2.4.1.23a.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		128
	DPCCH	Number of TFCI bits/slot	2
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	32
		Number of data bits/frame	480

<End of modified section>

3GPP TSG- T1 Meeting #17  
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Tdoc # T1-020708

3GPP TSG-T1 Sig SWG #26  
Luton, UK 4 – 8 Nov 02

Tdoc # T1S-020701

CR-Form-v7	
<b>CHANGE REQUEST</b>	
# <b>TS 34.108 CR 149</b> # rev <b>-</b> #	Current version: <b>3.9.0</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 content of sub-clause 6.10.2		
<b>Source:</b>	# Hutchison 3G UK		
<b>Work item code:</b>	# TEI	<b>date:</b>	# 14/10/2002
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# R99
	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 <u>TR 21.900</u> .	Rel-4	(Release 4)
		Rel-5	(Release 5)
		Rel-6	(Release 6)

<b>Reason for change:</b>	# 6 RAB combinations were removed from 34.108 in Sep 02 but the summary lists in sub-clause 6.10.2 were not updated.
<b>Summary of change:</b>	# Editorial correction of sub-clause 6.10.2 to reflect the void RAB combinations already removed within the specification for the current version.
<b>Consequences if not approved:</b>	# Inconsistent content between the sub-clause and the associated detailed sub-clauses within the same document.

<b>Clauses affected:</b>	# 6.10.2.		
<b>Other specs affected:</b>	#	#	Other core specifications #
	#	#	
	#	#	
<b>Other comments:</b>	# Affects R99 & Rel-4		

**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.

## 6.10.2.1 RABs and signalling RBs

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

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

Table 6.10.2.1.1: Prioritised RABs.

#	Traffic class [15]	SSD [15]	Max. rate, kbps	CS/PS
1	Conversational	Speech	UL:12.2 DL:12.2	CS
1a	Conversational	Speech	UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75)	CS
2	Conversational	Speech	UL:10.2 DL:10.2	CS
2a	Conversational	Speech	UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75)	CS
3	Conversational	Speech	UL:7.95 DL:7.95	CS
4	Conversational	Speech	UL:7.4 DL:7.4	CS
4a	Conversational	Speech	UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75)	CS
5	Conversational	Speech	UL:6.7 DL:6.7	CS
6	Conversational	Speech	UL:5.9 DL:5.9	CS
7	Conversational	Speech	UL:5.15 DL:5.15	CS
8	Conversational	Speech	UL:4.75 DL:4.75	CS
9	Conversational	Unknown	UL:28.8 DL:28.8	CS
10	Conversational	Unknown	UL:64 DL:64	CS
11	Conversational	Unknown	UL:32 DL:32	CS
12	Streaming	Unknown	UL:14.4 DL:14.4	CS
13	Streaming	Unknown	UL:28.8 DL:28.8	CS
14	Streaming	Unknown	UL:57.6 DL:57.6	CS
15	Streaming	Unknown	UL:0 DL:64	CS
15a	Streaming	Unknown	UL:16 DL:64	PS
16	Streaming	Unknown	UL:64 DL:0	CS
17	Void			
18	Void			
19	Void			
20	Interactive or Background	N/A	UL:32 DL:8	PS
20a	Interactive or Background	N/A	UL:8 DL:8	PS
20b	Interactive or Background	N/A	UL:16 DL:16	PS
20c	Interactive or Background	N/A	UL:32 DL:32	PS
21	Interactive or Background	N/A	UL:64 DL:8	PS
22	Interactive or Background	N/A	UL:32 DL:64	PS
23	Interactive or Background	N/A	UL:64 DL:64	PS
24	Interactive or Background	N/A	UL:64 DL:128	PS
25	Interactive or Background	N/A	UL:128 DL:128	PS
26	Interactive or Background	N/A	UL:64 DL:384	PS
27	Interactive or Background	N/A	UL:128 DL:384	PS
28	Interactive or Background	N/A	UL:384 DL:384	PS
29	Interactive or Background	N/A	UL:64 DL:2048	PS
30	Interactive or Background	N/A	UL:128 DL:2048	PS
31	Interactive or Background	N/A	UL:384 DL:2048	PS
32	Interactive or Background	N/A	UL:64 DL:256	PS
33	Interactive or Background	N/A	UL:0 DL:32	PS
34	Interactive or Background	N/A	UL:32 DL: 0	PS
35	Interactive or Background	N/A	UL:64 DL:144	PS
36	Interactive or Background	N/A	UL:144 DL:144	PS

Table 6.10.2.1.2: Signalling RBs

#	Maximum rate, kbps	Logical channel	PhyCh onto which SRBs are mapped
1	UL:1.7 DL:1.7	DCCH	DPCH
2	UL:3.4 DL:3.4	DCCH	DPCH
3	UL:13.6 DL:13.6	DCCH	DPCH
4	DL:27.2 (alt. 40.8)	DCCH	SCCPCH
5	UL:16.6	CCCH	PRACH
6	DL:30.4 (alt. 45.6)	CCCH	SCCPCH
7	DL:33.2 (alt. 49.8)	BCCH:	SCCPCH
8	DL:24 (alt. 6.4)	PCCH	SCCPCH

### 6.10.2.2 Combinations of RABs and Signalling RBs

In the present document, physical channel parameters for following combinations of RABs and signalling RBs on a CCTrCH are described.

NOTE: It is understood that for speech service the AMR mode may be operated asymmetrically for the uplink and downlink.

#### Combinations on DPCH

- 1) Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH.
- 2) Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 3) Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH.
- 4) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 4a) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 5) Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 5a) Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 6) Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 7) Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 7a) Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 8) Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 9) Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 10) Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB  
+ UL:1.7 DL:1.7 kbps SRBs for DCCH.

- 11) Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB  
+ UL:1.7 DL:1.7 kbps SRBs for DCCH.
- 12) Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 13) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 14) Conversational / unknown / UL:32 DL:32 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 15) Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 16) Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 17) Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 18) Streaming / unknown / UL:0 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 19) Streaming / unknown / UL:64 DL:0 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 20) Void
- 21) Void.
- 22) Void.
- 23) Interactive or background / UL:32 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23a) Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23b) Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23c) Interactive or background / UL:32 DL:32 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23d) Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 24) Interactive or background / UL:64 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 25) Interactive or background / UL:32 DL: 64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 26) Interactive or background / UL:64 DL: 64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 27) Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 28) Interactive or background / UL:128 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 29) Interactive or background / UL:64 DL:144 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

- 30) Interactive or background / UL:144 DL:144 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 31) Interactive or background / UL:64 DL:256 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 32) Interactive or background / UL:64 DL:384 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 33) Interactive or background / UL:128 DL:384 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 34) Interactive or background / UL:384 DL:384 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 35) Interactive or background / UL:64 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 36) Interactive or background / UL:128 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 37) Interactive or background / UL:384 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:32 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38a) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:0 DL:0 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38b) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38c) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:32 DL:32 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38d) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38e) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:0 DL:0 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38f) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38g) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38h) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:32 DL:32 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38i) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

- 38j) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 39) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:32 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 40) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 41) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 42) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:256 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 43) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:384 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 44) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:128 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 45) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 46) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Streaming / unknown / UL:0 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 47) Void.
- 48) Void.
- 49) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 49a) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 50) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 51) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 51a) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or Background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 51b) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or Background / UL:16 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

- 52) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 53) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or background / UL:128 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 54) Interactive or /background / UL:64 kbps DL:128 kbps / PS RAB  
+ Streaming / unknown / UL:0 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 55) Void.
- 56) Interactive or background / 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.
- 57) Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 58) Streaming / unknown / UL:16 DL:64 kbps / PS RAB  
+ Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

<end of modified section>

3GPP TSG- T1 Meeting #17  
Luton, UK, 4 – 8 Nov 02

Tdoc # T1-020709

3GPP TSG-T1 Sig SWG #26  
Luton, UK 4 – 8 Nov 02

Tdoc # T1S-020702

CR-Form-v7	
<b>CHANGE REQUEST</b>	
# <b>34.108 CR 150</b> # rev <b>-</b> #	Current version: <b>4.4.0</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 content of sub-clause 6.10.2.		
<b>Source:</b>	# Hutchison 3G UK		
<b>Work item code:</b>	# TEI	<b>date:</b>	# 14/10/2002
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# Rel-4
	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 TR 21.900.	Rel-4	(Release 4)
		Rel-5	(Release 5)
		Rel-6	(Release 6)

<b>Reason for change:</b>	# 6 RAB combinations were removed from 34.108 in Sep 02 but the summary lists in sub-clause 6.10.2 were not updated.
<b>Summary of change:</b>	# Editorial correction of sub-clause 6.10.2 to reflect the void RAB combinations already removed within the specification for the current version.
<b>Consequences if not approved:</b>	# Inconsistent content between the sub-clause and the associated detailed sub-clauses within the same document.

<b>Clauses affected:</b>	# 6.10.2.				
<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 # <input type="checkbox"/>	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="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> Test specifications # <input type="checkbox"/>	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="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> O&M Specifications # <input type="checkbox"/>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<b>Other comments:</b>	# Affects R99 & Rel-4				

**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.

## 6.10.2.1 RABs and signalling RBs

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

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

Table 6.10.2.1.1: Prioritised RABs.

#	Traffic class [15]	SSD [15]	Max. rate, kbps	CS/PS
1	Conversational	Speech	UL:12.2 DL:12.2	CS
1a	Conversational	Speech	UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75)	CS
2	Conversational	Speech	UL:10.2 DL:10.2	CS
2a	Conversational	Speech	UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75)	CS
3	Conversational	Speech	UL:7.95 DL:7.95	CS
4	Conversational	Speech	UL:7.4 DL:7.4	CS
4a	Conversational	Speech	UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75)	CS
5	Conversational	Speech	UL:6.7 DL:6.7	CS
6	Conversational	Speech	UL:5.9 DL:5.9	CS
7	Conversational	Speech	UL:5.15 DL:5.15	CS
8	Conversational	Speech	UL:4.75 DL:4.75	CS
9	Conversational	Unknown	UL:28.8 DL:28.8	CS
10	Conversational	Unknown	UL:64 DL:64	CS
11	Conversational	Unknown	UL:32 DL:32	CS
12	Streaming	Unknown	UL:14.4 DL:14.4	CS
13	Streaming	Unknown	UL:28.8 DL:28.8	CS
14	Streaming	Unknown	UL:57.6 DL:57.6	CS
15	Streaming	Unknown	UL:0 DL:64	CS
15a	Streaming	Unknown	UL:16 DL:64	PS
16	Streaming	Unknown	UL:64 DL:0	CS
17	VoidStreaming	Unknown	UL:0 DL:128	CS
18	VoidStreaming	Unknown	UL:128 DL:0	CS
19	VoidStreaming	Unknown	UL:0 DL:384	CS
20	Interactive or Background	N/A	UL:32 DL:8	PS
20a	Interactive or Background	N/A	UL:8 DL:8	PS
20b	Interactive or Background	N/A	UL:16 DL:16	PS
20c	Interactive or Background	N/A	UL:32 DL:32	PS
21	Interactive or Background	N/A	UL:64 DL:8	PS
22	Interactive or Background	N/A	UL:32 DL:64	PS
23	Interactive or Background	N/A	UL:64 DL:64	PS
24	Interactive or Background	N/A	UL:64 DL:128	PS
25	Interactive or Background	N/A	UL:128 DL:128	PS
26	Interactive or Background	N/A	UL:64 DL:384	PS
27	Interactive or Background	N/A	UL:128 DL:384	PS
28	Interactive or Background	N/A	UL:384 DL:384	PS
29	Interactive or Background	N/A	UL:64 DL:2048	PS
30	Interactive or Background	N/A	UL:128 DL:2048	PS
31	Interactive or Background	N/A	UL:384 DL:2048	PS
32	Interactive or Background	N/A	UL:64 DL:256	PS
33	Interactive or Background	N/A	UL:0 DL:32	PS
34	Interactive or Background	N/A	UL:32 DL:0	PS
35	Interactive or Background	N/A	UL:64 DL:144	PS
36	Interactive or Background	N/A	UL:144 DL:144	PS

Table 6.10.2.1.2: Signalling RBs

#	Maximum rate, kbps	Logical channel	PhyCh onto which SRBs are mapped
1	UL:1.7 DL:1.7	DCCH	DPCH
2	UL:3.4 DL:3.4	DCCH	DPCH
3	UL:13.6 DL:13.6	DCCH	DPCH
4	DL:27.2 (alt. 40.8)	DCCH	SCCPCH
5	UL:16.6	CCCH	PRACH
6	DL:30.4 (alt. 45.6)	CCCH	SCCPCH
7	DL:33.2 (alt. 49.8)	BCCH:	SCCPCH
8	DL:24 (alt. 6.4)	PCCH	SCCPCH

### 6.10.2.2 Combinations of RABs and Signalling RBs

In the present document, physical channel parameters for following combinations of RABs and signalling RBs on a CCTrCH are described.

NOTE: It is understood that for speech service the AMR mode may be operated asymmetrically for the uplink and downlink.

#### Combinations on DPCH

- 1) Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH.
- 2) Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 3) Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH.
- 4) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 4a) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 5) Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 5a) Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 6) Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 7) Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 7a) Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 8) Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 9) Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 10) Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB  
+ UL:1.7 DL:1.7 kbps SRBs for DCCH.

- 11) Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB  
+ UL:1.7 DL:1.7 kbps SRBs for DCCH.
- 12) Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 13) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 14) Conversational / unknown / UL:32 DL:32 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 15) Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 16) Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 17) Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 18) Streaming / unknown / UL:0 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 19) Streaming / unknown / UL:64 DL:0 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 20) ~~Streaming / unknown / UL:0 DL:128 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH. Void~~
- 21) ~~Streaming / unknown / UL:128 DL:0 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH. Void.~~
- 22) ~~Streaming / unknown / UL:0 DL:384 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH. Void.~~
- 23) Interactive or background / UL:32 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23a) Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23b) Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23c) Interactive or background / UL:32 DL:32 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23d) Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 24) Interactive or background / UL:64 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 25) Interactive or background / UL:32 DL: 64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 26) Interactive or background / UL:64 DL: 64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 27) Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 28) Interactive or background / UL:128 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

- 29) Interactive or background / UL:64 DL:144 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 30) Interactive or background / UL:144 DL:144 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 31) Interactive or background / UL:64 DL:256 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 32) Interactive or background / UL:64 DL:384 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 33) Interactive or background / UL:128 DL:384 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 34) Interactive or background / UL:384 DL:384 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 35) Interactive or background / UL:64 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 36) Interactive or background / UL:128 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 37) Interactive or background / UL:384 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:32 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38a) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:0 DL:0 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38b) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38c) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:32 DL:32 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38d) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH
- 38e) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:0 DL:0 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38f) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38g) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38h) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:32 DL:32 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

- 38i) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 38j) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 39) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:32 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 40) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 41) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 42) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:256 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 43) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:64 DL:384 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 44) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Interactive or background / UL:128 DL:2048 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 45) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 46) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Streaming / unknown / UL:0 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 47) ~~Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Streaming / unknown / UL:0 DL:128 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH Void.~~
- 48) ~~Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Streaming / unknown / UL:0 DL:384 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH Void.~~
- 49) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB  
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 49a) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB  
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 50) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 51) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

- 51a) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or Background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 51b) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or Background / UL:16 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 52) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or background / UL:64 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 53) Conversational / unknown / UL:64 DL:64 kbps / CS RAB  
+ Interactive or background / UL:128 DL:128 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 54) Interactive or /background / UL:64 kbps DL:128 kbps / PS RAB  
+ Streaming / unknown / UL:0 DL:64 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 55) ~~Interactive or /background / UL:64 kbps DL:128 kbps / PS RAB  
+ Streaming / unknown / UL:0 DL:128 kbps / CS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH~~ Void.
- 56) Interactive or background / 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.
- 57) Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ Interactive or background / UL:64 DL:64 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 58) Streaming / unknown / UL:16 DL:64 kbps / PS RAB  
+ Interactive or background / UL:8 DL:8 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

≤end of modified section≥

3GPP TSG- T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1-020711

3GPP TSG- T1 SIG Meeting #25  
Singapore, 18th – 20th September 2002

T1S-020873

CR-Form-v6.1	
<b>CHANGE REQUEST</b>	
⌘	TS 34.108 CR 151
⌘ rev	-
⌘ Current version:	3.9.0
⌘ Spec Title:	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification

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

Proposed change affects: ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘ CR to 34.108 Rel-99: Correction to SIB 11/12 definition		
<b>Source:</b>	⌘ Panasonic, Ericsson		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 22/9/2002
<b>Category:</b>	⌘ F	<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)

<b>Reason for change:</b>	⌘ All test cases follow the following rule for cell configuration: <ul style="list-style-type: none"> <li>Intra-frequency cell: cell 1,2,3,7,8</li> <li>Inter-frequency cell: cell 4,5,6</li> </ul> Therefore, the default SIB 11/12 should be updated accordingly. <p style="background-color: yellow;">Update of SIB11/SIB12 definitions according to Sept-02 release of 25.331 (V3.12.0).</p> <p style="background-color: yellow;">March-02 compatibility:</p> <ul style="list-style-type: none"> <li>In V3.12.0 (Sept-02) of 25.331 the IE "SFN-SFN observed time difference type" have been removed form IE "Cell reporting quantities" (25.331, 10.3.7.5). In previous versions of 25.331 this IE was mandatory. However, the change has been introduced in ASN.1 (dummy element inserted in ASN.1) to not cause incompatibility with earlier releases. I.e. this change does <b>not cause any impact to March-02 UE or SS.</b></li> <li>From version V3.11.0 (June-02) of 25.331 the IE "UE internal measurement system information" has been removed from IE "Measurement control system information" (25.331, 10.3.7.47). However, this IE was optional and is marked as "Not Present" in SIB11/SIB12 definitions in current version of 34.108 and should thus <b>not cause any impact to March-02 UE or SS.</b></li> </ul>
<b>Summary of change:</b>	⌘ The default message content for SIB 11/12 is updated according to the above



rule.

Additional changes introduced by Ericsson in T1S-020704 (revision of T1S-020632):

**Note!**

Due to SIB11 and SIB12 definition have been moved from 6.1.4 to 6.1.0b the changes will not be explicitly visible by revision marks (whole SIB11 and SIB12 table is deleted in clause 6.1.4 for Cell 1 and new table been inserted in clause 6.1.0b)

**6.1.0b (SIB11 and SIB12, cell 1):**

- To be representative of live networks IEs having value equal to default values as specified in 25.331 should not be transmitted in SIB11 and SIB12 by SS, i.e. be marked as "Not Present". The affected IEs are:
  - o Intra-frequency measurement identity (Default is 1)
  - o CHOICE Intra-frequency cell removal (Default is "Remove no intra-frequency cells")
  - o Cell individual offset (default is 0)
  - o Cell Selection and Re-selection info for neighbouring cells (should not be included if HCS is not used and values are the default values)
  - o Filter coefficient (Default is 0)
- Changed IE "Cell for measurement" to "Cells for measurement" for IE according to 25.331, 10.3.7.33
- IE "Intra-frequency measurement quantity" added missing "CHOICE mode" with value FDD before IE "Measurement quantity".
- ~~For intra-frequency neighbour cells included value for IE "Reference time difference to cell!"~~
- Removed IE "SFN-SFN observed time difference type" from IEs "Reporting quantities for active set cells" and "Reporting quantities for monitored set cells" as the IE have been removed from the definition of "Cell reporting quantities" in 25.331 V3.12.0, 10.3.7.5.
- ~~IE "Triggering condition 1" for event "1c" have been changed from "Not Present" to "Active set cells and monitored set cells". This IE is mandatory for event "1b" and "1c".~~
- IE "CHOICE Inter-frequency cell removal" have been added and marked as "Not present (This IE is not needed for SIB11)" to achieve completeness.
- Inter-frequency cell info list, Frequency info:
  - o Added missing "CHOICE mode"
  - o Value for UARFCN uplink(Nu) set Not present (default duplex distance will be used)
  - o Value for UARFCN downlink(Nd) refer to table 6.1.2 (for suitable inter-frequency cell)
- Inter-freq cell info for cell id 4: added missing "TX Diversity Indicator" IE (value set to FALSE)
- Inter-freq cell info for cell id 5 and 6: marked "Frequency info" IEs as Not

present (frequency as defined for previous cell in the list will be used)

- IE "UE internal measurement system information" removed to align with 25.133 V3.12.0
- For TDD some obvious corrections according to the changes introduced for FDD have been included. However, no detailed analysis have been performed for TDD case.

6.1.4 (SIB11 and SIB12 for cell 2 to 8):

- Entries in Intra- and Inter-frequency cell lists added to make visible for Cells 1 to 8 in sub-clause 6.1.4 (content referred back to Cell 1 definitions in 6.1.0b)
- Corrections made (compared to T1S-.020632) to Inter-frequency cell lists for Cell 4, Cell 5 and Cell 6 (seems to be cut and past from Intra-frequency cell list, i.e. missing Frequency info, "Read SFN indicator" should be FALSE for inter-freq cells)

6.1.5:

- Modified table 6.1.2 (default settings for serving cell and suitable neighbour cell in multi-cell environment) to show both intra- and inter-frequency neighbour cells. IE for frequency information in SIB11 and 12 refer back to this table.

Changes introduced in T1S-020726 (revision of T1S-020704):

- IE "Intra-frequency measurement system information" marked as not present. The value for IE "Reporting interval" was before different between SIB11 (4000) and SIB12 (0). In earlier CR in T1S-010280 the value was changed from 0 to 4000 in SIB11, but was by mistake not changed in SIB12. By the change of IE "Reporting Interval" in SIB12, then the content of IE "Intra-frequency measurement system information" is the same in SIB11 and SIB12 and thus the IE need not be present in SIB12.
- Merged changes from T1S-020624 for SIB11 and SIB12 (T1S-020624 was in principle agreed at the T1/SIG#25 meeting in Singapore):
  - Event 1a: The triggering condition is changed to Monitored set cells
  - Event 1b: The triggering condition is changed to Active set cells

Changes introduced in T1S-020873 (revision of T1S-020726):

Read SFN indicator set to FALSE for serving cell:

**Consequences if not approved:** ☼ In test cases where inter-frequency cells are present, specific message content of SIB 11 and 12 have to be specified each time.

**Clauses affected:** ☼ 6.1.0b, 6.1.4, 6.1.5

**Other specs affected:** ☼  Other core specifications ☼   
 Test specifications  
 O&M Specifications

**Other comments:** ☼ Affects R99

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

Comprehensive information and tips about how to create CRs can be found at: [http://www.3gpp.org/3G\\_Specs/CRs.htm](http://www.3gpp.org/3G_Specs/CRs.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>

## 6.1.0b Default System Information Block Messages

Contents of System Information Block type 11 (FDD)

[This is the default message content of SIB 11 for cell 1.](#)

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

- SIB12 indicator	TRUE
- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell selection and reselection quality measure	CPICH RSCP
<b>- Intra-frequency measurement system information</b>	
- Intra-frequency measurement identity	Not Present
	Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list	Not present
- CHOICE intra-frequency cell removal	(This IE shall be ignored by the UE for SIB11)
	1
- New intra-frequency cells	Not present
- Intra-frequency cell id	Absence of this IE is equivalent to default value 0dB
- Cell info	Not Present
- Cell individual offset	FALSE
	FDD
- Reference time difference to cell	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
- Read SFN indicator	Not Present
- CHOICE mode	FALSE
- Primary CPICH info	Not Present
- Primary scrambling code	(The IE shall be absent as this is the serving cell)
	2
- Primary CPICH TX power	Not present
- TX Diversity indicator	Absence of this IE is equivalent to default value 0dB
- Cell Selection and Re-selection info	Not present
	TRUE
- Intra-frequency cell id	FDD
- Cell info	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
- Cell individual offset	Not Present
	FALSE
- Reference time difference to cell	Not present
- Read SFN indicator	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.
- CHOICE mode	3
- Primary CPICH info	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
- Primary scrambling code	7
	Same content as specified for Intra-frequency cell id=2 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
- Primary CPICH TX power	8
- TX Diversity indicator	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
- Cell Selection and Re-selection info	Not Present
	Not present
- Intra-frequency cell id	Absence of this IE is equivalent to the default value 0
- Cell info	FDD
	CPICH RSCP
- Cells for measurement	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	
- CHOICE mode	
- Measurement quantity	
- Intra-frequency reporting quantity for RACH Reporting	
- Maximum number of reported cells on RACH	
- Reporting information for state CELL_DCH	Not Present

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

- Replacement activation threshold	3
- Time to trigger	640
- Amount of reporting	4
- Reporting interval	4000
- Reporting cell status	
- CHOICE reported cell	<u>Report cell within active set and/or monitored set cells on used frequency</u>
- Maximum number of reported cells	3
<b>- Inter-frequency measurement system information</b>	
- Inter-frequency cell info list	
- CHOICE Inter-frequency cell removal	Not present (This IE shall be ignored by the UE for SIB11)
- New inter-frequency cells	
- Inter frequency cell id	4
- Frequency info	FDD
- CHOICE mode	Not present
- UARFCN uplink(Nu)	Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101
- UARFCN downlink(Nd)	Reference to table 6.1.2 for Cell 4
- Cell info	Not present
- Cell individual offset	Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell	Not present
- Read SFN indicator	FALSE
- CHOICE mode	FDD
- Primary CPICH info	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
- Primary scrambling code	Not present
- Primary CPICH Tx power	FALSE
- TX Diversity Indicator	Not present (same values as for serving cell applies)
- Cell Selection and Re-selection Info	5
- Inter frequency cell id	Not Present
- Frequency info	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 (FDD)" in clause 6.1.4
- Inter frequency cell id	6
- Frequency info	Not Present
- Cell info	Absence of this IE is equivalent to value of the previous "frequency info" in the list.
- Cell for measurement	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
- Inter-RAT measurement system information	Not present
- Traffic volume measurement system information	Not Present
- Traffic volume measurement system information	Not Present

Contents of System Information Block type 11 (TDD)

- SIB 12 Indicator	TRUE
- 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	

- Intra-frequency measurement identity	<u>Not Present</u> <u>Absence of this IE is equivalent to default value</u> 1
- Intra-frequency cell info list	<u>Not present</u>
- CHOICE intra-frequency cell removal	<u>(This IE shall be ignored by the UE for SIB11)</u> <del>Remove no</del> <del>intra-frequency cells</del>
- New intra-frequency cells	1
- Intra-frequency cell id	<u>Not present</u>
- Cell info	<u>Absence of this IE is equivalent to default value</u> 0dB
- Cell individual offset	Not Present
- Reference time difference to cell	<del>FALSE</del> TRUE
- Read SFN Indicator	TDD
- CHOICE mode	Reference clause 6.1 Default settings for cell
- Primary CCPCH info	Not Present
- Cell parameters ID	Not Present
- Primary CCPCH TX power	Not Present
- Timeslot list	Not Present
- Timeslot number	Not Present
- Burst type	Not Present
- Cell Selection and Re-selection info	Not Present <u>(The IE shall be absent as this is the serving cell)</u>
- Cells for measurement	Not Present
- Intra-frequency measurement quantity	<u>Not present</u>
- Filter coefficient	<u>Absence of this IE is equivalent to the default value</u> 0
- CHOICE mode	TDD
- Measurement quantity list	P-CCPCH RSCP
- Measurement quantity	Not Present
- 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	
<del>- SFN-SFN observed time difference reporting indicator</del>	<del>No report</del>
- 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	
<del>- SFN-SFN observed time difference reporting indicator</del>	<del>No report</del>
- 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	Acknowledged mode RLC
- Measurement Report Transfer Mode	Event trigger
- Periodical Reporting / Event Trigger Reporting 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	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present
- UE internal measurement system information	Not Present

### 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
- Inter-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 12 in connected mode (similar to SIB type11) (TDD)

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used (no data)
- Cell selection and reselection quality measure	
- Intra-frequency measurement system information	
- Intra-frequency measurement identity	Not Present Absence of this IE is equivalent to default value 1
- Intra-frequency measurement quantity	
- Filter coefficient	Not present Absence of this IE is equivalent to the default value 0
- CHOICE mode	
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH Reporting	Not Present
- Maximum number of reported cells on RACH	No report
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- SFN-SFN observed time difference reporting indicator	No report

- 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	No report
- SFN-SFN observed time difference reporting indicator	FALSE
- Cell synchronisation information reporting indicator	FALSE
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposal 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	Acknowledged mode RLC
- Measurement Report Transfer Mode	Event trigger
- Periodical Reporting / Event Trigger Reporting 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	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present
- UE internal measurement system information	Not Present

<END OF MODIFIED SECTION>

## &lt;START OF NEXT MODIFIED SECTION&gt;

## 6.1.4 Default parameters for 1 to 8 cell environments

Default settings for cell No.1 (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	100

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.](#)

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

Primary CPICH info	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
Primary scrambling code	Not Present
Primary CPICH TX power	FALSE
TX Diversity indicator	
Cell Selection and Re-selection info	0 dB
Qoffset1 <sub>s,n</sub>	Not Present
Qoffset2 <sub>s,n</sub>	Reference to table 6.1.4
Maximum allowed UL TX power	Not Present
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	5
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD

→ Qqualmin	Reference to table 6.1.4
→ Qrxlevmin	Reference to table 6.1.4
→ Intra-frequency cell id	8
→ Cell info	0dB
→ Cell individual offset	Not Present
→ Reference time difference to cell	TRUE
→ Read SFN indicator	FDD
→ CHOICE mode	Refer to clause titled "Default settings for cell No.8 (FDD)"
→ Primary CPICH info	in clause 6.1
→ Primary scrambling code	Not Present
→ Primary CPICH TX power	FALSE
→ TX Diversity indicator	FALSE
→ Cell Selection and Re-selection info	0 dB
→ Qoffset1 <sub>s,n</sub>	Not Present
→ Qoffset2 <sub>s,n</sub>	Not Present
→ Maximum allowed UL TX power	Reference to table 6.1.4
→ HCS neighbouring cell information	Not Present
→ CHOICE mode	FDD
→ Qqualmin	Reference to table 6.1.4
→ Qrxlevmin	Reference to table 6.1.4
→ Cell for measurement	Not Present
→ Intra-frequency measurement quantity	0
→ Filter coefficient	CPICH RSCP
→ Measurement quantity	Not Present
→ 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	
→ SFN-SFN observed time difference type	No report
→ 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
→ Pathless reporting indicator	FALSE
→ Reporting quantities for monitored set cells	
→ SFN-SFN observed time difference type	No report
→ 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
→ Pathless 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	Active set cells and 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

<del>Amount of reporting</del>	4
<del>Reporting interval</del>	4000
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Intra-frequency event identity</del>	1b
<del>Triggering condition 1</del>	Active set cells and monitored set cells
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	5dB
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	1.0
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	Not Present
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	Not Present
<del>Reporting interval</del>	Not Present
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Intra-frequency event identity</del>	1c
<del>Triggering condition 1</del>	Not Present
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	Not Present
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	Not Present
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	3
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	4
<del>Reporting interval</del>	4000
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Inter-frequency measurement system information</del>	Not Present
<del>Inter-RAT measurement system information</del>	Not Present
<del>Traffic volume measurement system information</del>	Not Present
<del>UE internal measurement system information</del>	Not Present

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.](#)

<del>FACH measurement occasion info</del>	Not Present
<del>Measurement control system information</del>	
<del>Use of HCS</del>	Not used
<del>Cell selection and reselection quality measure</del>	CPICH RSCP
<del>Intra-frequency measurement system information</del>	
<del>Intra-frequency measurement identity</del>	4

<del>Intra-frequency cell info list</del>	Remove no intra-frequency cells
<del>CHOICE intra-frequency cell removal</del>	
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	



Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	8
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1

Qrxlevmin	Reference to table 6.1.4
Cell for measurement	Not Present
Intra-frequency measurement quantity	0
Filter coefficient	CPICH RSCP
Measurement quantity	Not Present
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	
SFN-SFN observed time difference type	No report
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	
SFN-SFN observed time difference type	No report
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	Active set cells and 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	0
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

<del>Intra-frequency event identity</del>	4b
<del>Triggering condition 1</del>	Active set cells and monitored set cells
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	5dB
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	1.0
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	Not Present
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	Not Present
<del>Reporting interval</del>	Not Present
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Intra-frequency event identity</del>	1c
<del>Triggering condition 1</del>	Not Present
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	Not Present
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	Not Present
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	3
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	4
<del>Reporting interval</del>	4000
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Inter-frequency measurement system information</del>	Not Present

Default settings for cell No.1 (TDD):

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 CCPCH info	
- Cell parameters ID	0

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	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	150

Contents of System Information Block type 11 for cell No.2 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>2</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>1</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>3</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>7</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>8</p>
<p>- Cell info</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>.....</p>	
<p><b>- Inter-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New inter-frequency cells</p>	
<p>- Inter frequency cell id</p>	<p>4</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>5</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>6</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>.....</p>	

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	5 0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	6 0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	7 0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD

<del>Qqualmin</del>	Reference to table 6.1.4
<del>Qrxlevmin</del>	Reference to table 6.1.4
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.4
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1s,n</del>	0 dB
<del>Qoffset2s,n</del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.4
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.4
<del>Qrxlevmin</del>	Reference to table 6.1.4
<del>Cell for measurement</del>	Not Present

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

<del>FACH measurement occasion info</del>	Not Present
<del>Measurement control system information</del>	
<del>Use of HCS</del>	Not used
<del>Cell_selection_and_reselection_quality_measure</del>	CPICH RSCP
<del>Intra-frequency measurement system information</del>	
<del>Intra-frequency measurement identity</del>	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	



Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	8
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1

<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.4 Not Present</p>
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Default settings for cell No.2 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  4</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 URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0011B 0000 0000 0000 0010B</p>
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Default settings for cell No.3 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  200</p>
--	--

Contents of System Information Block type 11 for cell No.3 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>3</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>1</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>2</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>7</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>8</p>
<p>- Cell info</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>.....</p>	
<p><b>- Inter-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New inter-frequency cells</p>	
<p>- Inter frequency cell id</p>	<p>4</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>5</p>
<p>- Frequency info</p>	<p>Not Present</p>
<p>- Cell info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Inter frequency cell id</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Frequency info</p>	<p>6</p>
<p>- Cell info</p>	<p>Not Present</p>
<p>.....</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>.....</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	1
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	5 0 dB Not Present TRUE FDD
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1 Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	6 0 dB Not Present TRUE FDD
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1 Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	7 0 dB Not Present TRUE FDD
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1 Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD

<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1s,n</del>	0 dB
<del>Qoffset2s,n</del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Cell for measurement</del>	Not Present

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

<del>FACH measurement occasion info</del>	Not Present
<del>Measurement control system information</del>	
<del>Use of HCS</del>	Not used
<del>Cell selection and reselection quality measure</del>	CPICH RSCP
<del>Intra-frequency measurement system information</del>	
<del>Intra-frequency measurement identity</del>	4

<del>Intra-frequency cell info list</del>	Remove no intra-frequency cells
<del>CHOICE intra-frequency cell removal</del>	
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	6
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	7
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1



<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.1 Not Present</p>
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Default settings for cell No.3 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  8</p>
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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 URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0100B 0000 0000 0000 0010B</p>
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Default settings for cell No.4 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  250</p>
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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>....                  - New intra-frequency cells                  - Intra-frequency cell id                  - Cell info</p>	<p>4                  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>- Intra-frequency cell id                  - Cell info</p>	<p>5                  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>- Intra-frequency cell id                  - Cell info</p>	<p>6                  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>.....                  - New inter-frequency cells                  - Inter-frequency cell id                  - Frequency info                  - UARFCN uplink(Nu)</p>	<p>1                  Not present                  Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101</p>
<p>- UARFCN downlink(Nd)                  - Cell info</p>	<p>Reference to table 6.1.2 for Cell 1                  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>- Inter-frequency cell id                  - Frequency info</p>	<p>2                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>3                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>7                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>

<ul style="list-style-type: none"><li>- <u>Inter-frequency cell id</u></li><li>- <u>Frequency info</u></li> <li>- <u>Cell info</u></li></ul>	<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>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>
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-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	<p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p>
<ul style="list-style-type: none"> <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> </ul>	<p>5</p> <p>0dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4</p> <p>Not Present</p> <p>FALSE</p>
<ul style="list-style-type: none"> <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> </ul>	<p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p>
<ul style="list-style-type: none"> <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> </ul>	<p>6</p> <p>0dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4</p> <p>Not Present</p> <p>FALSE</p>
<ul style="list-style-type: none"> <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> </ul>	<p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p>
<ul style="list-style-type: none"> <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> </ul>	<p>7</p> <p>0dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> </ul>	<p>Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p>
<ul style="list-style-type: none"> <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> </ul>	<p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p>

<ul style="list-style-type: none"> <li>— Qqualmin</li> <li>— Qrxlevmin</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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> <li>— Cell for measurement</li> <li>— Inter-frequency measurement system information</li> <li>— Inter-frequency cell info list</li> </ul>	<p>Reference to table 6.1.1                  Reference to table 6.1.1                  8                  0dB                  Not Present                  TRUE                  FDD                  Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1                  Not Present                  FALSE                  0 dB                  Not Present                  Reference to table 6.1.1                  Not Present                  FDD                  Reference to table 6.1.1                  Reference to table 6.1.1                  Not Present</p>
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Contents of System Information Block type 12 in connected mode (FDD)

<ul style="list-style-type: none"> <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> <li>— Intra-frequency measurement system information</li> <li>— Intra-frequency measurement identity</li> </ul>	<p>Not Present                  Not used                  CPICH RSCP                  4</p>
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<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Qrxlevmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Intra-frequency cell id</li> </ul>	6
<ul style="list-style-type: none"> <li>— Cell info</li> </ul>	
<ul style="list-style-type: none"> <li>— Cell individual offset</li> </ul>	0dB
<ul style="list-style-type: none"> <li>— Reference time difference to cell</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Read SFN indicator</li> </ul>	TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Primary CPICH info</li> </ul>	
<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Qrxlevmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Intra-frequency cell id</li> </ul>	7
<ul style="list-style-type: none"> <li>— Cell info</li> </ul>	
<ul style="list-style-type: none"> <li>— Cell individual offset</li> </ul>	0dB
<ul style="list-style-type: none"> <li>— Reference time difference to cell</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Read SFN indicator</li> </ul>	TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Primary CPICH info</li> </ul>	
<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Qrxlevmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Intra-frequency cell id</li> </ul>	8
<ul style="list-style-type: none"> <li>— Cell info</li> </ul>	
<ul style="list-style-type: none"> <li>— Cell individual offset</li> </ul>	0dB
<ul style="list-style-type: none"> <li>— Reference time difference to cell</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Read SFN indicator</li> </ul>	TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Primary CPICH info</li> </ul>	
<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1



<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.4 Not Present</p>
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Default settings for cell No.4 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  12</p>
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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:

<p>Cell identity URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0101B 0000 0000 0000 0011B</p>
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Default settings for cell No.5 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  300</p>
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Contents of System Information Block type 11 [for cell No.5](#) (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>....                  - New intra-frequency cells                  - Intra-frequency cell id                  - Cell info</p>	<p>5                  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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id                  - Cell info</p>	<p>4                  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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id                  - Cell info</p>	<p>6                  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>.....                  - New inter-frequency cells                  - Inter-frequency cell id                  - Frequency info                  - UARFCN uplink(Nu)</p>	<p>1                  Not present                  Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101</p>
<p>- UARFCN downlink(Nd)                  - Cell info</p>	<p>Reference to table 6.1.2 for Cell 1                  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>- Inter-frequency cell id                  - Frequency info</p>	<p>2                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>3                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>7                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>

- Inter-frequency cell id	8
- 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 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

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	5
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present

— Read SFN indicator	TRUE
— CHOICE mode	FDD
— Primary CPICH info	
— Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
— Primary CPICH TX power	Not Present
— TX Diversity indicator	FALSE
— Cell Selection and Re-selection info	
— Qoffset1 <sub>s,n</sub>	0 dB
— Qoffset2 <sub>s,n</sub>	Not Present
— Maximum allowed UL TX power	Reference to table 6.1.1
— HCS neighbouring cell information	Not Present
— CHOICE mode	FDD
— Qqualmin	Reference to table 6.1.1
— Qrxlevmin	Reference to table 6.1.1
— Intra-frequency cell id	6
— Cell info	
— Cell individual offset	0dB
— Reference time difference to cell	Not Present
— Read SFN indicator	TRUE
— CHOICE mode	FDD
— Primary CPICH info	
— Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
— Primary CPICH TX power	Not Present
— TX Diversity indicator	FALSE
— Cell Selection and Re-selection info	
— Qoffset1 <sub>s,n</sub>	0 dB
— Qoffset2 <sub>s,n</sub>	Not Present
— Maximum allowed UL TX power	Reference to table 6.1.1
— HCS neighbouring cell information	Not Present
— CHOICE mode	FDD
— Qqualmin	Reference to table 6.1.1
— Qrxlevmin	Reference to table 6.1.1
— Intra-frequency cell id	7
— Cell info	
— Cell individual offset	0dB
— Reference time difference to cell	Not Present
— Read SFN indicator	TRUE
— CHOICE mode	FDD
— Primary CPICH info	
— Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
— Primary CPICH TX power	Not Present
— TX Diversity indicator	FALSE
— Cell Selection and Re-selection info	
— Qoffset1 <sub>s,n</sub>	0 dB
— Qoffset2 <sub>s,n</sub>	Not Present
— Maximum allowed UL TX power	Reference to table 6.1.1
— HCS neighbouring cell information	Not Present
— CHOICE mode	FDD
— Qqualmin	Reference to table 6.1.1
— Qrxlevmin	Reference to table 6.1.1
— Intra-frequency cell id	8
— Cell info	
— Cell individual offset	0dB
— Reference time difference to cell	Not Present
— Read SFN indicator	TRUE
— CHOICE mode	FDD
— Primary CPICH info	
— Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
— Primary CPICH TX power	Not Present
— TX Diversity indicator	FALSE
— Cell Selection and Re-selection info	
— Qoffset1 <sub>s,n</sub>	0 dB
— Qoffset2 <sub>s,n</sub>	Not Present
— Maximum allowed UL TX power	Reference to table 6.1.1

<del>—</del> HCS neighbouring cell information	Not Present
<del>—</del> CHOICE mode	FDD
<del>—</del> Qqualmin	Reference to table 6.1.1
<del>—</del> Qrxlevmin	Reference to table 6.1.1
<del>—</del> Cell for measurement	Not Present

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

<del>—</del> FACH measurement occasion info	Not Present
<del>—</del> Measurement control system information	
<del>—</del> Use of HCS	Not used
<del>—</del> Cell_selection_and_reselection_quality_measure	CPICH RSCP
<del>—</del> Intra-frequency measurement system information	
<del>—</del> Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	6
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	7
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1



<ul style="list-style-type: none"> <li>→ Qrxlevmin</li> <li>→ Cell for measurement</li> </ul>	<ul style="list-style-type: none"> <li>Reference to table 6.1.1</li> <li>Not Present</li> </ul>
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Default settings for cell No.5 (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>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>114</li> </ul>
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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.14 with the following exceptions:

<ul style="list-style-type: none"> <li>Cell identity</li> <li>URA identity</li> </ul>	<ul style="list-style-type: none"> <li>0000 0000 0000 0000 0000 0000 0110B</li> <li>0000 0000 0000 0011B</li> </ul>
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Default settings for cell No.6 (FDD):

<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 CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>350</li> </ul>
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Contents of System Information Block type 11 [for cell No.6](#) (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>....                  - New intra-frequency cells                  - Intra-frequency cell id                  - Cell info</p>	<p>6                  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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id                  - Cell info</p>	<p>4                  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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id                  - Cell info</p>	<p>5                  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>.....  <b>- Inter-frequency measurement system information</b></p>	
<p>.....                  - New inter-frequency cells                  - Inter-frequency cell id                  - Frequency info                  - UARFCN uplink(Nu)</p>	<p>1                  Not present                  Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101</p>
<p>- UARFCN downlink(Nd)                  - Cell info</p>	<p>Reference to table 6.1.2 for Cell 1                  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>- Inter-frequency cell id                  - Frequency info</p>	<p>2                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>3                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>7                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>

<p>- Inter-frequency cell id</p> <p>- Frequency info</p> <p>- Cell info</p> <p>.....</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>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>
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-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	6
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	7
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD

<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	0dB
<del>Cell individual offset</del>	Not Present
<del>Reference time difference to cell</del>	TRUE
<del>Read SFN indicator</del>	FDD
<del>CHOICE mode</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>Primary CPICH info</del>	Not Present
<del>Primary scrambling code</del>	FALSE
<del>Primary CPICH TX power</del>	0 dB
<del>TX Diversity indicator</del>	Not Present
<del>Cell Selection and Re-selection info</del>	Reference to table 6.1.1
<del>Qoffset1s,n</del>	FALSE
<del>Qoffset2s,n</del>	0 dB
<del>Maximum allowed UL TX power</del>	Not Present
<del>HCS neighbouring cell information</del>	Reference to table 6.1.1
<del>CHOICE mode</del>	Not Present
<del>Qqualmin</del>	FDD
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Cell for measurement</del>	Reference to table 6.1.1
	Not Present

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

<del>FACH measurement occasion info</del>	Not Present
<del>Measurement control system information</del>	
<del>Use of HCS</del>	Not used
<del>Cell selection and reselection quality measure</del>	CPICH RSCP
<del>Intra-frequency measurement system information</del>	
<del>Intra-frequency measurement identity</del>	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>7</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>8</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p>



<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.1 Not Present</p>
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Default settings for cell No.6 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  119</p>
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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 URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0111B 0000 0000 0000 0100B</p>
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Default settings for cell No.7 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  400</p>
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Contents of System Information Block type 11 [for cell No.7](#) (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> <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>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 (FDD)" 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 (FDD)" 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><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>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>

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	7
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	<p>Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>5</p> <p>0 dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>6</p> <p>0 dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0 dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </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>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p>

<del>- Qqualmin</del>	Reference to table 6.1.4
<del>- Qrxlevmin</del>	Reference to table 6.1.4
<del>- Intra-frequency cell id</del>	8
<del>- Cell info</del>	
<del>- Cell individual offset</del>	0dB
<del>- Reference time difference to cell</del>	Not Present
<del>- Read SFN indicator</del>	TRUE
<del>- CHOICE mode</del>	FDD
<del>- Primary CPICH info</del>	
<del>- Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>- Primary CPICH TX power</del>	Not Present
<del>- TX Diversity indicator</del>	FALSE
<del>- Cell Selection and Re-selection info</del>	
<del>- Qoffset1s,n</del>	0 dB
<del>- Qoffset2s,n</del>	Not Present
<del>- Maximum allowed UL TX power</del>	Reference to table 6.1.4
<del>- HCS neighbouring cell information</del>	Not Present
<del>- CHOICE mode</del>	FDD
<del>- Qqualmin</del>	Reference to table 6.1.4
<del>- Qrxlevmin</del>	Reference to table 6.1.4
<del>- Cell for measurement</del>	Not Present

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

<del>- FACH measurement occasion info</del>	Not Present
<del>- Measurement control system information</del>	
<del>- Use of HCS</del>	Not used
<del>- Cell selection and reselection quality measure</del>	CPICH RSCP
<del>- Intra-frequency measurement system information</del>	
<del>- Intra-frequency measurement identity</del>	4

<del>Intra-frequency cell info list</del>	Remove no intra-frequency cells
<del>CHOICE intra-frequency cell removal</del>	
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>6</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </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>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>8</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p>

<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.1 Not Present</p>
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Default settings for cell No.7 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  123</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:

<p>Cell identity URA identity</p>	<p>0000 0000 0000 0000 0000 0000 1000B 0000 0000 0000 0100B</p>
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Default settings for cell No.8 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  450</p>
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Contents of System Information Block type 11 [for cell No.8](#) (FDD)

<p><b>- Intra-frequency measurement system information</b>                  ....                  - New intra-frequency cells                  - Intra-frequency cell id                  - Cell info</p> <p>- Intra-frequency cell id                  - Cell info</p> <p>- Intra-frequency cell id                  - Cell info</p> <p>- Intra-frequency cell id                  - Cell info</p> <p>- Intra-frequency cell id                  - Cell info</p> <p>.....</p>	<p>8                  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 (FDD)" in clause 6.1.4</p> <p>1                  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</p> <p>2                  Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>3                  Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>7                  Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p><b>- Inter-frequency measurement system information</b>                  ....                  - New inter-frequency cells                  - Inter frequency cell id                  - Frequency info</p> <p>- Cell info</p> <p>- Inter frequency cell id                  - Frequency info</p> <p>- Cell info</p> <p>- Inter frequency cell id                  - Frequency info</p> <p>- Cell info</p> <p>.....</p>	<p>4                  Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b                  Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>5                  Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b                  Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>6                  Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b                  Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	8
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	5  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	6  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	7  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD

- Qqualmin	Reference to table 6.1.4
- Qrxlevmin	Reference to table 6.1.4
- Intra-frequency cell id	4
- Cell info	0dB
- Cell individual offset	Not Present
- Reference time difference to cell	TRUE
- Read SFN indicator	FDD
- CHOICE mode	
- Primary CPICH info	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
- Primary scrambling code	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	
- Cell Selection and Re-selection info	0 dB
- Qoffset1 <sub>s,n</sub>	Not Present
- Qoffset2 <sub>s,n</sub>	Reference to table 6.1.4
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.4
- Qrxlevmin	Reference to table 6.1.4
- Cell for measurement	Not Present

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

- 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	
- Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	4
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1

<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.4 Not Present</p>
---	---

Default settings for cell No.8 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  127</p>
---	--

### 6.1.5 Reference Radio Conditions for signalling test cases only (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 <b>intra-frequency cell</b>	<b>Suitable neighbour inter-frequency cell</b>
UTRA RF Channel Number		Channel 1	Channel 1	<b>Channel 2</b>
Qqualmin	dB	-24		-24
Qrxlevmin	dBm	-81		-81
UE_TXPWR_MAX_RACH	dBm	21		21
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60		-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.		

**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)	-5
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".			

&lt;END OF MODIFIED SECTION&gt;



3GPP TSG- T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1-020712

3GPP TSG- T1 SIG Meeting #25  
Singapore, 18th – 20th September 2002

T1S-020874

CR-Form-v6.1	
<b>CHANGE REQUEST</b>	
# <b>TS 34.108 CR 152</b> # rev - #	Current version: <b>4.4.0</b> #
Spec Title: User Equipment (UE) conformance specification; # Part 1: Protocol conformance specification	

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

Proposed change affects: # (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	# CR to 34.108 Rel-4: Correction to SIB 11/12 definition		
<b>Source:</b>	# Panasonic, Ericsson		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 22/9/2002
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# REL-4
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)	

<b>Reason for change:</b>	# All test cases follow the following rule for cell configuration: <ul style="list-style-type: none"> <li>Intra-frequency cell: cell 1,2,3,7,8</li> <li>Inter-frequency cell: cell 4,5,6</li> </ul> Therefore, the default SIB 11/12 should be updated accordingly. <p style="background-color: yellow; padding: 5px;">Update of SIB11/SIB12 definitions according to Sept-02 release of 25.331 (V4.7.0).</p>
<b>Summary of change:</b>	# The default message content for SIB 11/12 is updated according to the above rule. <p style="background-color: yellow; padding: 5px;">Additional changes introduced by Ericsson in T1S-020705 (revision of T1S-020633):</p> <p style="background-color: yellow; padding: 5px;"><b>Note!</b> Due to SIB11 and SIB12 definition have been moved from 6.1.4 to 6.1.0b the changes will not be explicitly visible by revision marks (whole SIB11 and SIB12 table is deleted in clause 6.1.4 for Cell 1 and new table been inserted in clause 6.1.0b)</p> <p style="background-color: yellow; padding: 5px;">6.1.0b (SIB11 and SIB12, cell 1):</p> <ul style="list-style-type: none"> <li>- To be representative of live networks IEs having value equal to default values as specified in 25.331 should not be transmitted in SIB11 and</li> </ul>

SIB12 by SS, i.e. be marked as "Not Present". The affected IEs are:

- Intra-frequency measurement identity (Default is 1)
  - CHOICE Intra-frequency cell removal (Default is "Remove no intra-frequency cells")
  - Cell individual offset (default is 0)
  - Cell Selection and Re-selection info for neighbouring cells (should not be included if HCS is not used and values are the default values)
  - Filter coefficient (Default is 0)
- Changed IE "Cell for measurement" to "Cells for measurement" for IE according to 25.331, 10.3.7.33
  - IE "Intra-frequency measurement quantity" added missing "CHOICE mode" with value FDD before IE "Measurement quantity".
  - ~~— For intra-frequency neighbour cells included value for IE "Reference time difference to cell!"~~
  - Removed IE "SFN-SFN observed time difference type" from IEs "Reporting quantities for active set cells" and "Reporting quantities for monitored set cells" as the IE have been removed from the definition of "Cell reporting quantities" in 25.331 V4.7.0, 10.3.7.5.
  - ~~— IE "Triggering condition 1" for event "1c" have been changed from "Not Present" to "Active set cells and monitored set cells". This IE is mandatory for event "1b" and "1c".~~
  - IE "CHOICE Inter-frequency cell removal" have been added and marked as "Not present (This IE is not needed for SIB11)" to achieve completeness.
  - Inter-frequency cell info list, Frequency info:
    - Added missing "CHOICE mode"
    - Value for UARFCN uplink(Nu) set Not present (default duplex distance will be used)
    - Value for UARFCN downlink(Nd) refer to table 6.1.2 (for suitable inter-frequency cell)
  - Inter-freq cell info for cell id 4: added missing "TX Diversity Indicator" IE (value set to FALSE)
  - Inter-freq cell info for cell id 5 and 6: marked "Frequency info" IEs as Not present (frequency as defined for previous cell in the list will be used)
  - IE "UE internal measurement system information" removed to align with 25.133 V4.7.0
  - For TDD some obvious corrections according to the changes introduced for FDD have been included. However, no detailed analysis have been performed for TDD case.
- 6.1.4 (SIB11 and SIB12 for cell 2 to 8):
- Entries in Intra- and Inter-frequency cell lists added to make visible for Cells 1 to 8 in sub-clause 6.1.4 (content referred back to Cell 1 definitions in 6.1.0b)
  - Corrections made (compared to T1S-.020633) to Inter-frequency cell lists

for Cell 4, Cell 5 and Cell 6 (seems to be cut and past from Intra-frequency cell list, i.e. missing Frequency info, "Read SFN indicator" should be FALSE for inter-freq cells)

**6.1.5:**

- Modified table 6.1.2 (default settings for serving cell and suitable neighbour cell in multi-cell environment) to show both intra- and inter-frequency neighbour cells. IE for frequency information in SIB11 and 12 refer back to this table.

**Changes introduced in T1S-020727 (revision of T1S-020705):**

- IE "Intra-frequency measurement system information" marked as not present. The value for IE "Reporting interval" was before different between SIB11 (4000) and SIB12 (0). In earlier CR in T1S-010280 the value was changed from 0 to 4000 in SIB11, but was by mistake not changed in SIB12. By the change of IE "Reporting Interval" in SIB12, then the content of IE "Intra-frequency measurement system information" is the same in SIB11 and SIB12 and thus the IE need not be present in SIB12.
- Merged changes from T1S-020624 for SIB11 and SIB12 (T1S-020624 was in principle agreed at the T1/SIG#25 meeting in Singapore):
  - Event 1a: The triggering condition is changed to Monitored set cells
  - Event 1b: The triggering condition is changed to Active set cells

**Changes introduced in T1S-020874 (revision of T1S-020726r1):**

- Read SFN indicator set to FALSE for serving cell:

**Consequences if not approved:** ⌘ In test cases where inter-frequency cells are present, specific message content of SIB 11 and 12 have to be specified each time.

<b>Clauses affected:</b>	⌘	6.1.0b, 6.1.4, 6.1.5									
<b>Other specs Affected:</b>	⌘	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>Other core specifications</td> <td>⌘</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Test specifications</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>O&amp;M Specifications</td> <td></td> </tr> </table>	<input type="checkbox"/>	Other core specifications	⌘	<input type="checkbox"/>	Test specifications		<input type="checkbox"/>	O&M Specifications	
<input type="checkbox"/>	Other core specifications	⌘									
<input type="checkbox"/>	Test specifications										
<input type="checkbox"/>	O&M Specifications										
<b>Other comments:</b>	⌘	Affects REL-4									

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

Comprehensive information and tips about how to create CRs can be found at: [http://www.3gpp.org/3G\\_Specs/CRs.htm](http://www.3gpp.org/3G_Specs/CRs.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>

## 6.1.0b Default System Information Block Messages

Contents of System Information Block type 11 (FDD)

[This is the default message content of SIB 11 for cell 1.](#)

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

- SIB12 indicator	TRUE
- 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	
- Intra-frequency measurement identity	Not Present
	Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list	Not present
- CHOICE intra-frequency cell removal	(This IE shall be ignored by the UE for SIB11)
	1
- New intra-frequency cells	Not present
- Intra-frequency cell id	Absence of this IE is equivalent to default value 0dB
- Cell info	Not Present
- Cell individual offset	FALSE
	FDD
- Reference time difference to cell	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
- Read SFN indicator	Not Present
- CHOICE mode	FALSE
- Primary CPICH info	Not Present
- Primary scrambling code	(The IE shall be absent as this is the serving cell)
	2
- Primary CPICH TX power	Not present
- TX Diversity indicator	Absence of this IE is equivalent to default value 0dB
- Cell Selection and Re-selection info	Not present
	TRUE
- Intra-frequency cell id	FDD
- Cell info	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
- Cell individual offset	Not Present
	FALSE
- Reference time difference to cell	Not present
- Read SFN indicator	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.
- CHOICE mode	3
- Primary CPICH info	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
- Primary scrambling code	7
	Same content as specified for Intra-frequency cell id=2 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
- Primary CPICH TX power	8
- TX Diversity indicator	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
- Cell Selection and Re-selection info	Not Present
	Not present
- Intra-frequency cell id	Absence of this IE is equivalent to the default value 0
- Cell info	FDD
	CPICH RSCP
- Cells for measurement	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	
- CHOICE mode	
- Measurement quantity	
- Intra-frequency reporting quantity for RACH Reporting	
- Maximum number of reported cells on RACH	
- Reporting information for state CELL_DCH	Not Present

- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	No report
- SFN-SFN observed time difference type	FALSE
- Cell synchronisation information reporting indicator	
- 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	
- SFN-SFN observed time difference type	No report
- 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
- Hysteresis	0.0

- Threshold Used Frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	3
- Time to trigger	640
- Amount of reporting	4
- Reporting interval	4000
- Reporting cell status	Report cell within active set and/or monitored set cells on used frequency
- CHOICE reported cell	3
- Maximum number of reported cells	3
<b>- Inter-frequency measurement system information</b>	
- Inter-frequency cell info list	Not present
<b>- CHOICE Inter-frequency cell removal</b>	(This IE shall be ignored by the UE for SIB11)
- New inter-frequency cells	4
- Inter frequency cell id	4
- Frequency info	FDD
<b>- CHOICE mode</b>	Not present
- UARFCN uplink(Nu)	Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101
- UARFCN downlink(Nd)	Reference to table 6.1.2 for Cell 4
- Cell info	Not present
- Cell individual offset	Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell	Not present
- Read SFN indicator	FALSE
- CHOICE mode	FDD
- Primary CPICH info	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
- Primary scrambling code	Not present
- Primary CPICH Tx power	Not present
<b>- TX Diversity Indicator</b>	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
- Cell 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.5 (FDD)" in clause 6.1.4
- Inter frequency cell id	6
- Frequency info	Not Present
- Cell 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 (FDD)" in clause 6.1.4
- Cell for measurement	Not present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present

Contents of System Information Block type 11 (TDD)

- SIB 12 Indicator	TRUE
- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
<b>- Cell selection and reselection quality measureCell-</b>	(no data)
<del>Cell_selection_and_reselection_quality_measure</del>	

- Intra-frequency measurement system information	Not Present
- Intra-frequency measurement identity	Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list	Not present
- CHOICE intra-frequency cell removal	(This IE shall be ignored by the UE for SIB11) Remove no intra-frequency cells
- New intra-frequency cells	1
- Intra-frequency cell id	Not present
- Cell info	Absence of this IE is equivalent to default value 0dB
- Cell individual offset	Not Present
- Reference time difference to cell	FALSE TRUE
- Read SFN Indicator	TDD
- CHOICE mode	Reference clause 6.1 Default settings for cell
- Primary CCPCH info	Not Present
- Cell parameters ID	Not Present
- Primary CCPCH TX power	Not Present
- Timeslot list	Not Present
- Timeslot number	Not Present
- Burst type	Not Present
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	(The IE shall be absent as this is the serving cell)
- Intra-frequency measurement quantity	Not Present
- Filter coefficient	Not present
- CHOICE mode	Absence of this IE is equivalent to the default value 0
- Measurement quantity list	TDD
- Measurement quantity	P-CCPCH RSCP
- 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	
- SFN-SFN observed time difference reporting indicator	No report
- 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	
- SFN-SFN observed time difference reporting indicator	No report
- 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	Event trigger
Reporting 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	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present
<del>- UE internal measurement system information</del>	<del>Not Present</del>

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.

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

Contents of System Information Block type 12 in connected mode (similar to SIB type11) (TDD)

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- <a href="#">Cell selection and reselection quality measure</a>	(no data)
<del>- <a href="#">Cell selection and reselection quality measure</a></del>	
- Intra-frequency measurement system information	
- Intra-frequency measurement identity	<a href="#">Not Present</a>
- Intra-frequency measurement quantity	<a href="#">Absence of this IE is equivalent to default value 1</a>
- Filter coefficient	<a href="#">Not present</a>
- CHOICE mode	<a href="#">Absence of this IE is equivalent to the default value 0</a>
- Measurement list	TDD
- Measurement quantity	
- Intra-frequency reporting quantity for RACH Reporting	P-CCPCH RSCP
- Maximum number of reported cells on RACH	Not Present
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	No report
- Reporting quantities for active set cells	

- SFN-SFN observed time difference reporting indicator	No report
- 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	
- SFN-SFN observed time difference reporting indicator	No report
- Cell synchronisation information reporting indicator	FALSE
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposal 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	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present
-UE internal measurement system information	Not Present

<END OF MODIFIED SECTION>

<START OF NEXT MODIFIED SECTION>

#### 6.1.4 Default parameters for 1 to 8 cell environments

##### START OF MODIFICATIONS

Default settings for cell No.1 (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	100

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.](#)

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

Primary CPICH info	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
Primary scrambling code	Not Present
Primary CPICH TX power	FALSE
TX Diversity indicator	
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	5
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD

Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Intra-frequency cell id	8
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.4
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.4
Qrxlevmin	Reference to table 6.1.4
Cell for measurement	Not Present
Intra-frequency measurement quantity	
Filter coefficient	0
Measurement quantity	CPICH RSCP
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	
SFN-SFN observed time difference type	No report
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
Pathless reporting indicator	FALSE
Reporting quantities for monitored set cells	
SFN-SFN observed time difference type	No report
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
Pathless 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	Active set cells and 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

<del>Amount of reporting</del>	4
<del>Reporting interval</del>	4000
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Intra frequency event identity</del>	1b
<del>Triggering condition 1</del>	Active set cells and monitored set cells
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	5dB
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	1.0
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	Not Present
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	Not Present
<del>Reporting interval</del>	Not Present
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Intra frequency event identity</del>	1c
<del>Triggering condition 1</del>	Not Present
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	Not Present
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	Not Present
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	3
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	4
<del>Reporting interval</del>	4000
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Inter frequency measurement system information</del>	Not Present
<del>Inter-RAT measurement system information</del>	Not Present
<del>Traffic volume measurement system information</del>	Not Present
<del>UE internal measurement system information</del>	Not Present

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.](#)

<del>FACH measurement occasion info</del>	Not Present
<del>Measurement control system information</del>	
<del>Use of HCS</del>	Not used
<del>Cell selection and reselection quality measure</del>	CPICH RSCP
<del>Intra frequency measurement system information</del>	
<del>Intra frequency measurement identity</del>	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	



Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	8
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1

Qrxlevmin	Reference to table 6.1.4
Cell for measurement	Not Present
Intra-frequency measurement quantity	0
Filter coefficient	CPICH RSCP
Measurement quantity	Not Present
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	
SFN-SFN observed time difference type	No report
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	
SFN-SFN observed time difference type	No report
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	Active set cells and 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	0
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

<del>Intra-frequency event identity</del>	1b
<del>Triggering condition 1</del>	Active set cells and monitored set cells
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	5dB
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	1.0
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	Not Present
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	Not Present
<del>Reporting interval</del>	Not Present
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Intra-frequency event identity</del>	1c
<del>Triggering condition 1</del>	Not Present
<del>Triggering condition 2</del>	Not Present
<del>Reporting Range Constant</del>	Not Present
<del>Cells forbidden to affect Reporting range</del>	Not Present
<del>W</del>	Not Present
<del>Hysteresis</del>	0.0
<del>Threshold Used Frequency</del>	Not Present
<del>Reporting deactivation threshold</del>	Not Present
<del>Replacement activation threshold</del>	3
<del>Time to trigger</del>	640
<del>Amount of reporting</del>	4
<del>Reporting interval</del>	4000
<del>Reporting cell status</del>	
<del>CHOICE reported cell</del>	Report cell within active set and/or monitored set cells on used frequency
<del>Maximum number of reported cells</del>	3
<del>Inter-frequency measurement system information</del>	Not Present

Default settings for cell No.1 (TDD):

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 CCPCH info	
- Cell parameters ID	0

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	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	150

Contents of System Information Block type 11 for cell No.2 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>2</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>1</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>3</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>7</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>8</p>
<p>- Cell info</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>.....</p>	
<p><b>- Inter-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New inter-frequency cells</p>	
<p>- Inter frequency cell id</p>	<p>4</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>5</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>6</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>.....</p>	

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	5  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	6  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	7  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD

<ul style="list-style-type: none"> <li>— Qqualmin</li> <li>— Qrxlevmin</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>— Qoffset1s,n</li> <li>— Qoffset2s,n</li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> <li>— Cell for measurement</li> </ul>	<ul style="list-style-type: none"> <li>Reference to table 6.1.4</li> <li>Reference to table 6.1.4</li> <li>8</li> <li>0dB</li> <li>Not Present</li> <li>TRUE</li> <li>FDD</li> <li>Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1</li> <li>Not Present</li> <li>FALSE</li> <li>0 dB</li> <li>Not Present</li> <li>Reference to table 6.1.4</li> <li>Not Present</li> <li>FDD</li> <li>Reference to table 6.1.4</li> <li>Reference to table 6.1.4</li> <li>Not Present</li> </ul>
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**Contents of System Information Block type 12 in connected mode (FDD)**

<ul style="list-style-type: none"> <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> <li>— Intra-frequency measurement system information</li> <li>— Intra-frequency measurement identity</li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>Not used</li> <li>CPICH RSCP</li> <li>4</li> </ul>
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<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Remove no intra-frequency cells</p> <p>4</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p> <p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>3</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p> <p>Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p> <p>Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>5</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
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Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	7
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	8
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1

<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.1 Not Present</p>
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Default settings for cell No.2 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  4</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 URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0011B 0000 0000 0000 0010B</p>
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Default settings for cell No.3 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  200</p>
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Contents of System Information Block type 11 for cell No.3 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>3</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>1</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>2</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>7</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>8</p>
<p>- Cell info</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>.....</p>	
<p><b>- Inter-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New inter-frequency cells</p>	
<p>- Inter frequency cell id</p>	<p>4</p>
<p>- Frequency info</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>- Cell info</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>- Inter frequency cell id</p>	<p>5</p>
<p>- Frequency info</p>	<p>Not Present</p>
<p>- Cell info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Inter frequency cell id</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>- Frequency info</p>	<p>6</p>
<p>- Cell info</p>	<p>Not Present</p>
<p>.....</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>.....</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b</p>

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	5  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	6  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	7  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD

- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1s,n	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- 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	
- Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	6
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	7
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1



<ul style="list-style-type: none"> <li>→ Qrxlevmin</li> <li>→ Cell for measurement</li> </ul>	<ul style="list-style-type: none"> <li>Reference to table 6.1.1</li> <li>Not Present</li> </ul>
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Default settings for cell No.3 (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>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>8</li> </ul>
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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:

<ul style="list-style-type: none"> <li>Cell identity</li> <li>URA identity</li> </ul>	<ul style="list-style-type: none"> <li>0000 0000 0000 0000 0000 0000 0100B</li> <li>0000 0000 0000 0010B</li> </ul>
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Default settings for cell No.4 (FDD):

<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 CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>250</li> </ul>
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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>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>4</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>5</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>6</p>
<p>- Cell info</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>	
<p>- New inter-frequency cells</p>	
<p>- Inter-frequency cell id</p>	<p>1</p>
<p>- Frequency info</p>	<p>Not present</p>
<p>- UARFCN uplink(Nu)</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>- UARFCN downlink(Nd)</p>	<p>Reference to table 6.1.2 for Cell 1</p>
<p>- Cell info</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>- Inter-frequency cell id</p>	<p>2</p>
<p>- Frequency info</p>	<p>Not Present</p>
<p>- Cell info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Inter-frequency cell id</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>- Frequency info</p>	<p>3</p>
<p>- Cell info</p>	<p>Not Present</p>
<p>- Inter-frequency cell id</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Frequency info</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>- Cell info</p>	<p>7</p>
<p>- Cell info</p>	<p>Not Present</p>
<p>- Cell info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>

<ul style="list-style-type: none"><li>- <u>Inter-frequency cell id</u></li><li>- <u>Frequency info</u></li> <li>- <u>Cell info</u></li></ul>	<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>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>
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-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1 Not Present FALSE</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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	<p>0 dB Not Present Reference to table 6.1.1 Not Present FDD Reference to table 6.1.1 Reference to table 6.1.1</p>
<ul style="list-style-type: none"> <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> </ul>	<p>5 0 dB Not Present TRUE 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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4 Not Present FALSE</p>
<ul style="list-style-type: none"> <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> </ul>	<p>0 dB Not Present Reference to table 6.1.1 Not Present FDD Reference to table 6.1.1 Reference to table 6.1.1</p>
<ul style="list-style-type: none"> <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> </ul>	<p>6 0 dB Not Present TRUE 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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4 Not Present FALSE</p>
<ul style="list-style-type: none"> <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> </ul>	<p>0 dB Not Present Reference to table 6.1.1 Not Present FDD Reference to table 6.1.1 Reference to table 6.1.1</p>
<ul style="list-style-type: none"> <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> </ul>	<p>7 0 dB Not Present TRUE 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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> </ul>	<p>Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1 Not Present FALSE</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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> </ul>	<p>0 dB Not Present Reference to table 6.1.1 Not Present FDD</p>

- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	0dB
- Cell individual offset	Not Present
- Reference time difference to cell	TRUE
- Read SFN indicator	FDD
- CHOICE mode	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
- Primary CPICH info	Not Present
- Primary scrambling code	FALSE
- Primary CPICH TX power	0 dB
- TX Diversity indicator	Not Present
- Cell Selection and Re-selection info	Reference to table 6.1.1
- Qoffset1s,n	FALSE
- Qoffset2s,n	0 dB
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	Reference to table 6.1.1
- CHOICE mode	Not Present
- Qqualmin	FDD
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Reference to table 6.1.1
	Not Present

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

- 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	
- Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Qrxlevmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Intra-frequency cell id</li> </ul>	6
<ul style="list-style-type: none"> <li>— Cell info</li> </ul>	
<ul style="list-style-type: none"> <li>— Cell individual offset</li> </ul>	0dB
<ul style="list-style-type: none"> <li>— Reference time difference to cell</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Read SFN indicator</li> </ul>	TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Primary CPICH info</li> </ul>	
<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Qrxlevmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Intra-frequency cell id</li> </ul>	7
<ul style="list-style-type: none"> <li>— Cell info</li> </ul>	
<ul style="list-style-type: none"> <li>— Cell individual offset</li> </ul>	0dB
<ul style="list-style-type: none"> <li>— Reference time difference to cell</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Read SFN indicator</li> </ul>	TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Primary CPICH info</li> </ul>	
<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Qrxlevmin</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— Intra-frequency cell id</li> </ul>	8
<ul style="list-style-type: none"> <li>— Cell info</li> </ul>	
<ul style="list-style-type: none"> <li>— Cell individual offset</li> </ul>	0dB
<ul style="list-style-type: none"> <li>— Reference time difference to cell</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Read SFN indicator</li> </ul>	TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Primary CPICH info</li> </ul>	
<ul style="list-style-type: none"> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— TX Diversity indicator</li> </ul>	FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> </ul>	
<ul style="list-style-type: none"> <li>— Qoffset1<sub>s,n</sub></li> </ul>	0 dB
<ul style="list-style-type: none"> <li>— Qoffset2<sub>s,n</sub></li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> </ul>	Reference to table 6.1.1
<ul style="list-style-type: none"> <li>— HCS neighbouring cell information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>— Qqualmin</li> </ul>	Reference to table 6.1.1



<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.1 Not Present</p>
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Default settings for cell No.4 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  12</p>
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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:

<p>Cell identity URA identity</p>	<p>0000 0000 0000 0000 0000 0000 0101B 0000 0000 0000 0011B</p>
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Default settings for cell No.5 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  300</p>
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Contents of System Information Block type 11 for cell No.5 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>....</p>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>5</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>4</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>6</p>
<p>- Cell info</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>	
<p>- New inter-frequency cells</p>	
<p>- Inter-frequency cell id</p>	<p>1</p>
<p>- Frequency info</p>	<p>Not present</p>
<p>- UARFCN uplink(Nu)</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>- UARFCN downlink(Nd)</p>	<p>Reference to table 6.1.2 for Cell 1</p>
<p>- Cell info</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>- Inter-frequency cell id</p>	<p>2</p>
<p>- Frequency info</p>	<p>Not Present</p>
<p>- Cell info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Inter-frequency cell id</p>	<p>4</p>
<p>- Frequency info</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>- Cell info</p>	<p>3</p>
<p>- Inter-frequency cell id</p>	<p>Not Present</p>
<p>- Frequency info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id</p>	<p>7</p>
<p>- Frequency info</p>	<p>Not Present</p>
<p>- Cell info</p>	<p>Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>

<ul style="list-style-type: none"><li>- <u>Inter-frequency cell id</u></li><li>- <u>Frequency info</u></li> <li>- <u>Cell info</u></li></ul>	<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>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>
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-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	5
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	6
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	7
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD

- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency-cell-id	8
- Cell-info	0dB
- Cell-individual-offset	Not Present
- Reference-time-difference-to-cell	TRUE
- Read-SFN-indicator	FDD
- CHOICE-mode	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
- Primary-CPICH-info	Not Present
- Primary-scrambling-code	FALSE
- Primary-CPICH-TX-power	0 dB
- TX-Diversity-indicator	Not Present
- Cell-Selection-and-Re-selection-info	FALSE
- Qoffset1s,n	0 dB
- Qoffset2s,n	Not Present
- Maximum-allowed-UL-TX-power	Reference to table 6.1.1
- HCS-neighbouring-cell-information	Not Present
- CHOICE-mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell-for-measurement	Not Present

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

- FACH-measurement-occasion-info	Not Present
- Measurement-control-system-information	Not used
- Use-of-HCS	CPICH RSCP
- Cell-selection-and-reselection-quality-measure	
- Intra-frequency-measurement-system-information	
- Intra-frequency-measurement-identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	6
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	7
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	8
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1



<ul style="list-style-type: none"> <li>→ Qrxlevmin</li> <li>→ Cell for measurement</li> </ul>	<ul style="list-style-type: none"> <li>Reference to table 6.1.1</li> <li>Not Present</li> </ul>
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Default settings for cell No.5 (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>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>114</li> </ul>
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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:

<ul style="list-style-type: none"> <li>Cell identity</li> <li>URA identity</li> </ul>	<ul style="list-style-type: none"> <li>0000 0000 0000 0000 0000 0000 0110B</li> <li>0000 0000 0000 0011B</li> </ul>
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Default settings for cell No.6 (FDD):

<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 CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>350</li> </ul>
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Contents of System Information Block type 11 for cell No.6 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>....                  - New intra-frequency cells                  - Intra-frequency cell id                  - Cell info</p>	<p>6                  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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id                  - Cell info</p>	<p>4                  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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id                  - Cell info</p>	<p>5                  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>.....  <b>- Inter-frequency measurement system information</b></p>	
<p>.....                  - New inter-frequency cells                  - Inter-frequency cell id                  - Frequency info                  - UARFCN uplink(Nu)</p>	<p>1                  Not present                  Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101</p>
<p>- UARFCN downlink(Nd)                  - Cell info</p>	<p>Reference to table 6.1.2 for Cell 1                  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>- Inter-frequency cell id                  - Frequency info</p>	<p>2                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>3                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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>- Inter-frequency cell id                  - Frequency info</p>	<p>7                  Not Present                  Absence of this IE is equivalent to value of the previous "frequency info" in the list.</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>

<ul style="list-style-type: none"> <li>- <u>Inter-frequency cell id</u></li> <li>- <u>Frequency info</u></li>   <li>- <u>Cell info</u></li>   <li>.....</li> </ul>	<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>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>
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-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	6
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	7
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 <sub>s,n</sub>	0 dB
- Qoffset2 <sub>s,n</sub>	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD

- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	0dB
- Cell individual offset	Not Present
- Reference time difference to cell	TRUE
- Read SFN indicator	FDD
- CHOICE mode	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
- Primary CPICH info	Not Present
- Primary scrambling code	FALSE
- Primary CPICH TX power	0 dB
- TX Diversity indicator	Not Present
- Cell Selection and Re-selection info	FALSE
- Qoffset1s,n	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- FACH measurement occasion info	Not Present
- Measurement control system information	Not used
- Use of HCS	CPICH RSCP
- Cell_selection_and_reselection_quality_measure	
- Intra-frequency measurement system information	
- Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>7</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>8</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p>



<ul style="list-style-type: none"> <li>→ Qrxlevmin</li> <li>→ Cell for measurement</li> </ul>	<ul style="list-style-type: none"> <li>Reference to table 6.1.1</li> <li>Not Present</li> </ul>
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Default settings for cell No.6 (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>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>119</li> </ul>
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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:

<ul style="list-style-type: none"> <li>Cell identity</li> <li>URA identity</li> </ul>	<ul style="list-style-type: none"> <li>0000 0000 0000 0000 0000 0000 0111B</li> <li>0000 0000 0000 0100B</li> </ul>
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Default settings for cell No.7 (FDD):

<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 CPICH info</li> <li>- Primary scrambling code</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Reference clause 6.10 Parameter Set</li> <li>Minimum supported by the UE's power class.</li> <li>Reference clause 6.10 Parameter Set</li> <li>400</li> </ul>
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Contents of System Information Block type 11 for cell No.7 (FDD)

<p><b>- Intra-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New intra-frequency cells</p>	
<p>- Intra-frequency cell id</p>	<p>7</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>1</p>
<p>- Cell info</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 (FDD)" in clause 6.1.4</p>
<p>- Intra-frequency cell id</p>	<p>2</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>3</p>
<p>- Cell info</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>- Intra-frequency cell id</p>	<p>8</p>
<p>- Cell info</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>.....</p>	
<p><b>- Inter-frequency measurement system information</b></p>	
<p>.....</p>	
<p>- New inter-frequency cells</p>	
<p>- Inter frequency cell id</p>	<p>4</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>5</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Inter frequency cell id</p>	<p>6</p>
<p>- Frequency info</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>- Cell info</p>	<p>Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p>.....</p>	

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	7
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	<p>Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>5</p> <p>0 dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>6</p> <p>0 dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0 dB</p> <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> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p>

- Qqualmin	Reference to table 6.1.4
- Qrxlevmin	Reference to table 6.1.4
- Intra-frequency cell id	8
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1s,n	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.4
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.4
- Qrxlevmin	Reference to table 6.1.4
- Cell for measurement	Not Present

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

- 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	
- Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	Remove no intra-frequency cells
<del>CHOICE intra-frequency cell removal</del>	
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	6
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	4
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id	8
Cell info	
Cell individual offset	0dB
Reference time difference to cell	Not Present
Read SFN indicator	TRUE
CHOICE mode	FDD
Primary CPICH info	
Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1 <sub>s,n</sub>	0 dB
Qoffset2 <sub>s,n</sub>	Not Present
Maximum allowed UL TX power	Reference to table 6.1.1
HCS neighbouring cell information	Not Present
CHOICE mode	FDD
Qqualmin	Reference to table 6.1.1

<p>→ Qrxlevmin → Cell for measurement</p>	<p>Reference to table 6.1.1 Not Present</p>
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Default settings for cell No.7 (TDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  123</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:

<p>Cell identity URA identity</p>	<p>0000 0000 0000 0000 0000 0000 1000B 0000 0000 0000 0100B</p>
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Default settings for cell No.8 (FDD):

<p>Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code</p>	<p>Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set  450</p>
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Contents of System Information Block type 11 for cell No.8 (FDD)

<p><b>- Intra-frequency measurement system information</b>          ....          - New intra-frequency cells          - Intra-frequency cell id          - Cell info</p> <p>- Intra-frequency cell id          - Cell info</p> <p>- Intra-frequency cell id          - Cell info</p> <p>- Intra-frequency cell id          - Cell info</p> <p>- Intra-frequency cell id          - Cell info</p> <p>.....</p>	<p>8          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 (FDD)" in clause 6.1.4</p> <p>1          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</p> <p>2          Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>3          Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>7          Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>
<p><b>- Inter-frequency measurement system information</b>          ....          - New inter-frequency cells          - Inter frequency cell id          - Frequency info</p> <p>- Cell info</p> <p>- Inter frequency cell id          - Frequency info</p> <p>- Cell info</p> <p>- Inter frequency cell id          - Frequency info</p> <p>- Cell info</p> <p>.....</p>	<p>4          Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b          Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>5          Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b          Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clause 6.1.0b</p> <p>6          Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b          Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clause 6.1.0b</p>

-SIB12 indicator	TRUE
-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	
-Intra-frequency measurement identity	4
-Intra-frequency cell info list	
-CHOICE intra-frequency cell removal	Remove no intra-frequency cells
-New intra-frequency cells	
-Intra-frequency cell id	8
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	Not Present
-Intra-frequency cell id	2
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	3
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD
-Primary CPICH info	
-Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
-Primary CPICH TX power	Not Present
-TX Diversity indicator	FALSE
-Cell Selection and Re-selection info	
-Qoffset1 <sub>s,n</sub>	0 dB
-Qoffset2 <sub>s,n</sub>	Not Present
-Maximum allowed UL TX power	Reference to table 6.1.1
-HCS neighbouring cell information	Not Present
-CHOICE mode	FDD
-Qqualmin	Reference to table 6.1.1
-Qrxlevmin	Reference to table 6.1.1
-Intra-frequency cell id	4
-Cell info	
-Cell individual offset	0dB
-Reference time difference to cell	Not Present
-Read SFN indicator	TRUE
-CHOICE mode	FDD

<ul style="list-style-type: none"> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	5  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD  Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	6  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD  Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</li> </ul>	FDD Reference to table 6.1.1 Reference to table 6.1.1
<ul style="list-style-type: none"> <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> </ul>	7  0 dB Not Present TRUE
<ul style="list-style-type: none"> <li>— CHOICE mode</li> <li>— Primary CPICH info</li> <li>— Primary scrambling code</li> </ul>	FDD  Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
<ul style="list-style-type: none"> <li>— Primary CPICH TX power</li> <li>— TX Diversity indicator</li> </ul>	Not Present FALSE
<ul style="list-style-type: none"> <li>— Cell Selection and Re-selection info</li> <li>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> </ul>	0 dB Not Present
<ul style="list-style-type: none"> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> </ul>	Reference to table 6.1.1 Not Present
<ul style="list-style-type: none"> <li>— CHOICE mode</li> </ul>	FDD

- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	0dB
- Cell individual offset	Not Present
- Reference time difference to cell	TRUE
- Read SFN indicator	FDD
- CHOICE mode	
- Primary CPICH info	Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	
- Cell Selection and Re-selection info	0 dB
- Qoffset1 <sub>s,n</sub>	Not Present
- Qoffset2 <sub>s,n</sub>	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- 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	
- Intra-frequency measurement identity	4

<del>Intra-frequency cell info list</del>	
<del>CHOICE intra-frequency cell removal</del>	Remove no intra-frequency cells
<del>New intra-frequency cells</del>	
<del>Intra-frequency cell id</del>	2
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	3
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	4
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	
<del>Primary scrambling code</del>	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
<del>Primary CPICH TX power</del>	Not Present
<del>TX Diversity indicator</del>	FALSE
<del>Cell Selection and Re-selection info</del>	
<del>Qoffset1<sub>s,n</sub></del>	0 dB
<del>Qoffset2<sub>s,n</sub></del>	Not Present
<del>Maximum allowed UL TX power</del>	Reference to table 6.1.1
<del>HCS neighbouring cell information</del>	Not Present
<del>CHOICE mode</del>	FDD
<del>Qqualmin</del>	Reference to table 6.1.1
<del>Qrxlevmin</del>	Reference to table 6.1.1
<del>Intra-frequency cell id</del>	5
<del>Cell info</del>	
<del>Cell individual offset</del>	0dB
<del>Reference time difference to cell</del>	Not Present
<del>Read SFN indicator</del>	TRUE
<del>CHOICE mode</del>	FDD
<del>Primary CPICH info</del>	

<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>6</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>7</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> <li>— Qrxlevmin</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> </ul>	<p>Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p> <p>Reference to table 6.1.1</p> <p>4</p> <p>0dB</p> <p>Not Present</p> <p>TRUE</p> <p>FDD</p>
<ul style="list-style-type: none"> <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>— Qoffset1<sub>s,n</sub></li> <li>— Qoffset2<sub>s,n</sub></li> <li>— Maximum allowed UL TX power</li> <li>— HCS neighbouring cell information</li> <li>— CHOICE mode</li> <li>— Qqualmin</li> </ul>	<p>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</p> <p>Not Present</p> <p>FALSE</p> <p>0 dB</p> <p>Not Present</p> <p>Reference to table 6.1.1</p> <p>Not Present</p> <p>FDD</p> <p>Reference to table 6.1.1</p>

<p>→ Qrxlevmin</p> <p>→ Cell for measurement</p>	<p>Reference to table 6.1.1</p> <p>Not Present</p>
--	--

Default settings for cell No.8 (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 6.10 Parameter Set</p> <p>Minimum supported by the UE's power class.</p> <p>Reference clause 6.10 Parameter Set</p> <p>127</p>
---	--

## 6.1.5 Reference Radio Conditions for signalling test cases only (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 <b>intra-frequency cell</b>	<b>Suitable neighbour inter-frequency cell</b>
UTRA RF Channel Number		Channel 1	Channel 1	<b>Channel 2</b>
Qqualmin	dB	-24		-24
Qrxlevmin	dBm	-81		-81
UE_TXPWR_MAX_RACH	dBm	21		21
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60		-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.		

**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)	-5
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".			

&lt;END OF MODIFIED SECTION&gt;



## CHANGE REQUEST

# **34.108 CR 153** # rev **-** # Current version: **3.9.0** #

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>	#	Reference Measurement Channels	
<b>Source:</b>	#	T1/RF	
<b>Work item code:</b>	#	-	<b>Date:</b> # 07/11/2002
<b>Category:</b>	#	<b>F</b>	<b>Release:</b> # R99
		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 TR 21.900.	Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	#	The reference measurement channels are already defined in 34.121-Annex C. Therefore, a further definition in this spec is redundant and might cause erroneous testing.
<b>Summary of change:</b>	#	Replace the current text in clause 7.3.2.4.2 with a cross-reference to 34.121.
		<b>Impact Analysis:</b> No impact on either UE or network. A SS implementer that hasn't found the descriptions in 34.121 and has implemented proprietary solutions will require changes to the test cases. If the SS implementer has found the configurations described in 34.121 there's no impact.
<b>Consequences if not approved:</b>	#	Reference measurement channel configurations are undefined.

<b>Clauses affected:</b>	#	7.3.2.4.2, 9.2.1								
<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;">#</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>	#									

**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.

#### 7.3.2.4.2 Reference measurement channels

The messages in this sub-clause are sent from the SS to the UE, determining the configurations of reference measurement channel for the RF tests.

~~UL reference measurement channel (12.2kbps)~~

~~{T.B.D.}~~

~~UL reference measurement channel (786kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (12.2kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (64kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (144kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (384kbps)~~

~~{T.B.D.}~~

~~Reference measurement channel for BTFD~~

~~{T.B.D.}~~

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.

## 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	051h

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

## CHANGE REQUEST

# **34.108 CR 154** # rev **-** # Current version: **4.4.0** #

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>	# Reference Measurement Channels		
<b>Source:</b>	# T1/RF		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 07/11/2002
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# Rel-4
	<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="http://www.3gpp.org/Specs/tr21/900">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>	# The reference measurement channels are already defined in 34.121-Annex C. Therefore, a further definition in this spec is redundant and might cause erroneous testing.
<b>Summary of change:</b>	# Replace the current text in clause 7.3.2.4.2 with a cross-reference to 34.121.  <b>Impact Analysis:</b> No impact on either UE or network. A SS implementer that hasn't found the descriptions in 34.121 and has implemented proprietary solutions will require changes to the test cases. If the SS implementer has found the configurations described in 34.121 there's no impact.
<b>Consequences if not approved:</b>	# Reference measurement channel configurations are undefined.

<b>Clauses affected:</b>	# 7.3.2.4.2, 9.2.1								
<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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></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 # <input type="checkbox"/> Test specifications # <input type="checkbox"/> O&M Specifications # <input 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"/>
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:**

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

#### 7.3.2.4.2 Reference measurement channels

~~The messages in this sub-clause are sent from the SS to the UE, determining the configurations of reference measurement channel for the RF tests:~~

~~UL reference measurement channel (12.2kbps)~~

~~{T.B.D.}~~

~~UL reference measurement channel (786kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (12.2kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (64kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (144kbps)~~

~~{T.B.D.}~~

~~DL reference measurement channel (384kbps)~~

~~{T.B.D.}~~

~~Reference measurement channel for BTFD~~

~~{T.B.D.}~~

[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.](#)

## 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	<del>05h</del> 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



3GPP TSG-T1 Meeting #17  
 Luton, England, 4<sup>th</sup> and 8<sup>th</sup>, Nov 2002  
 3GPP TSG-T1/SIG Meeting #26  
 Luton, England, 5<sup>th</sup>-7<sup>th</sup>, Nov 2002

Tdoc # T1-020777  
 Tdoc # T1S-020744

CR-Form-v7

## CHANGE REQUEST

# **34.108 CR 155** # rev - # Current version: **3.9.0** #

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 R99 ; Transferring system information definition using ASN.1 description to PRD	
<b>Source:</b>	#	NTT DoCoMo	
<b>Work item code:</b>	#	TEI	<b>Date:</b> # 3/11/2002
<b>Category:</b>	#	<b>F</b>	<b>Release:</b> # R99
		<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 TR 21.900.	<i>Use one of the following releases:</i> 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>	#	<input type="checkbox"/> 1 To make it clear which system information definitions to be used to make TTCN files. <input type="checkbox"/> 2 System information definitions should be dealt with in the same way as the RRC and NAS messages in PRD.	
<b>Summary of change:</b>	#	The description of system information definitions using ASN.1 is removed from Annex.A in TS 34.108 and put in PRD(permanent reference description).	
<b>Consequences if not approved:</b>	#	Description of system information definition using ASN.1 is duplicated in TS 34.108 and PRD.	

<b>Clauses affected:</b>	#	Annex A									
<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;">#</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>	#										

**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.

## Annex A (informative): Void System information definition using ASN.1 description

Reference: clause 6.1.

```

MasterInformationBlock
mib-ValueTag 1,
plmn-Type {
  gsm-MAP {
    plmn-Identity {
      mcc {
        MCC 0,
        MCC 0,
        MCC 1
      },
      mnc {
        MNC 1
      }
    }
  }
},
sibSb-ReferenceList {
  SIBSb-ReferenceList {
    sibSb-Type sysInfoTypeSBI 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep16 1
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType1 2,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep128 5
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType2 2,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep128 7
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType3 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep64 3
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType4 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep64 19
        }
      }
    }
  }
}

```

```

}
}
}
}
}
SysInfoTypeSB1
{
  sib-ReferenceList {
    {
      sib-Type sysInfoType5 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos-repl28 : 13,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    }
  },
  {
    sib-Type sysInfoType6 : 1,
    scheduling {
      scheduling {
        segCount 3,
        sib-Pos-repl28 : 21,
        sib-PosOffsetInfo {
          so2,
          so2
        }
      }
    }
  },
  {
    sib-Type sysInfoType7 : NULL,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos-repl28 : 11
      }
    }
  },
  {
    sib-Type sysInfoType11 : 1,
    scheduling {
      scheduling {
        segCount 2,
        sib-Pos-repl28 : 29,
        sib-PosOffsetInfo {
          so2
        }
      }
    }
  },
  {
    sib-Type sysInfoType12 : 1,
    scheduling {
      scheduling {
        segCount 2,
        sib-Pos-repl28 : 53,
        sib-PosOffsetInfo {
          so2
        }
      }
    }
  }
}
}
}
}
}
SysInfoType1
{
  cn-CommonGSM-MAP-NAS-SysInfo '00-80'H,
  cn-DomainSysInfoList {
    {
      cn-DomainIdentity ps-domain,
      cn-Type-gsm-MAP : '00-00'H,

```

```

----- cn-DRX-CycleLengthCoeff 7
----- },
----- {
----- cn-DomainIdentity es-domain,
----- cn-Type gsm-MAP : '1E-01'H,
----- cn-DRX-CycleLengthCoeff 7
----- }
----- },
----- ue-ConnTimersAndConstants {
----- t-301 ms2000,
----- n-301 2,
----- t-302 ms4000,
----- n-302 3,
----- t-304 ms1000,
----- n-304 3,
----- t-305 ms60,
----- t-307 s50,
----- t-308 ms320,
----- t-309 s,
----- t-310 ms320,
----- n-310 5,
----- t-311 ms500,
----- t-312 s,
----- n-312 s200,
----- t-313 10,
----- n-313 s20,
----- t-314 s20,
----- t-315 s30,
----- n-315 s200,
----- t-316 s50,
----- t-317 s1800
----- },
----- ue-IdleTimersAndConstants {
----- t-300 ms400,
----- n-300 7,
----- t-312 10,
----- n-312 s200
----- }
----- }

SysInfoType2
{
----- ura-IdentityList {
----- '00000000 00000001'B
----- }
----- }

SysInfoType3
{
----- sib4indicator TRUE,
----- cellIdentity '00000000 00000000 0001'B,
----- cellSelectReselectInfo {
----- mappingInfo {
----- {
----- rat-utra-FDD,
----- mappingFunctionParameterList {
----- {
----- functionType linear,
----- mapParameter1 1,
----- mapParameter2 1,
----- upperLimit 1
----- }
----- }
----- }
----- }
----- },
----- cellSelectQualityMeasure cpich-Ec-N0 : {
----- q-HYST 2-S-0
----- },
----- modeSpecificInfo-fdd : {
----- s-Intrasearch 8,
----- s-Intersearch 8,
----- s-SearchHCS 5,
----- q-QualMin 20,
----- q-RxlevMin 58
----- },
----- q-Hyst-1-S-0,
----- t-Reselection-S-0,
----- hcs-ServingCellInformation {

```





```

}
gainFactorBetaD 15,
referenceTFC ID 0
},
powerOffsetPp m 5
}
}
},
prach Partitioning fdd : {
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
},
persistenceScalingFactorList {
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9
},
ac To ASC MappingTable {
6,
4,

```



```

----- 3,
----- 2,
----- 1,
----- 0
----- },
----- modeSpecificInfo fdd : {
-----   primaryCPICH-TX-Power 31,
-----   constantValue 10,
-----   prach-PowerOffset {
-----     powerRampStep 3,
-----     preambleRetransMax 2
-----   },
-----   rach-TransmissionParameters {
-----     mmax 2,
-----     nb01Min 3,
-----     nb01Max 10
-----   },
-----   aich-Info {
-----     channelisationCode256 3,
-----     sttd-Indicator FALSE,
-----     aich-TransmissionTiming e0
-----   }
----- }
----- }
----- },
----- sCCPCH-SystemInformationList {
-----   {
-----     secondaryCCPCH-Info {
-----       modeSpecificInfo fdd : {
-----         pCPICH-UsageForChannelEst maybeUsed,
-----         sttd-Indicator FALSE,
-----         sf-AndCodeNumber sf64 : 1,
-----         pilotSymbolExistence FALSE,
-----         tfei-Existence TRUE,
-----         positionFixedOrFlexible flexible,
-----         timingOffset 0
-----       }
-----     },
-----     tfcs-normalTFCS-Signalling : complete : {
-----       etfcSize etfc4Bit : {
-----         {
-----           etfc4 0
-----         },
-----         {
-----           etfc4 1
-----         },
-----         {
-----           etfc4 2
-----         },
-----         {
-----           etfc4 3
-----         },
-----         {
-----           etfc4 4
-----         },
-----         {
-----           etfc4 5
-----         },
-----         {
-----           etfc4 6
-----         },
-----         {
-----           etfc4 8
-----         },
-----         {
-----           etfc4 10
-----         }
-----       }
-----     }
-----   }
----- },
----- fach-PCCH-InformationList {
-----   {
-----     transportFormatSet commonTransChTFS : {
-----       tti tt10 : {
-----         {
-----           rlc-Size fdd : {
-----             octetModeRLC-SizeInfoType2 sizeType1 : 24
-----           },
-----           numberOfTbSizeList {

```

```

zero : NULL,
one : NULL
},
logicalChannelList allSizes : NULL
}
},
semistaticTF-Information {
channelCodingType convolutional : half,
rateMatchingAttribute 230,
crc-Size crc16
}
},
transportChannelIdentity 12,
catch Indicator FALSE
},
{
transportFormatSet commonTransChTFS : {
tti tti10 : {
{
rlc-Size fdd : {
octetModeRLC-SizeInfoType2 sizeType1 : 15
},
numberOfTbSizeList {
zero : NULL,
one : NULL,
small : 2,
small : 3
},
logicalChannelList allSizes : NULL
}
},
semistaticTF-Information {
channelCodingType convolutional : half,
rateMatchingAttribute 220,
crc-Size crc16
}
},
transportChannelIdentity 13,
catch Indicator FALSE
},
{
transportFormatSet commonTransChTFS : {
tti tti10 : {
{
rlc-Size fdd : {
octetModeRLC-SizeInfoType2 sizeType2 : 3
},
numberOfTbSizeList {
zero : NULL,
one : NULL
},
logicalChannelList allSizes : NULL
}
},
semistaticTF-Information {
channelCodingType turbo : NULL,
rateMatchingAttribute 130,
crc-Size crc16
}
},
transportChannelIdentity 14,
catch Indicator FALSE
}
},
pich-Info fdd : {
channelisationCode256 2,
pi-CountPerFrame e18,
sttd-Indicator FALSE
}
}
}
}
SysInfoType6
{
pich-PowerOffset -5,
modeSpecificInfo fdd : {
pich-PowerOffset 0
}
}
}

```

```

}r
primaryCCPCH-Info-fdd : {
  tx-DiversityIndicator FALSE
}r
prach-SystemInformationList {
  {
    prach-RACH-Info {
      modeSpecificInfo-fdd : {
        availableSignatures '00000000 11111111'B,
        availableSF-sfpr64,
        preambleScramblingCodeWordNumber 0,
        puncturingLimit-pl1,
        availableSubChannelNumbers '11111111 1111'B
      }
    }r
    transportChannelIdentity 15,
    rach-TransportFormatSet-commonTransChTFS : {
      tti-tti20 : {
        {
          rlc-Size-fdd : {
            octetModeRLC-SizeInfoType2 sizeType1 : 15
          }r
          numberOfTbSizeList {
            one : NULL
          }r
          logicalChannelList-configured : NULL
        }r
        {
          rlc-Size-fdd : {
            octetModeRLC-SizeInfoType2 sizeType2 : 3
          }r
          numberOfTbSizeList {
            one : NULL
          }r
          logicalChannelList-configured : NULL
        }
      }r
    }r
    semistaticTF-Information {
      channelCodingType convolutional : half,
      rateMatchingAttribute 150,
      crc-Size crc16
    }
  }r
  rach-TFCS-normalTFCS-signalling : complete : {
    ctfcSize-ctfc2Bit : {
      {
        ctfc2 0,
        powerOffsetInformation {
          gainFactorInformation-computedGainFactors : 0,
          powerOffsetPp-m -5
        }
      }r
      {
        ctfc2 1,
        powerOffsetInformation {
          gainFactorInformation-signalledGainFactors : {
            modeSpecificInfo-fdd : {
              gainFactorBetaC 10
            }r
            gainFactorBetaD 15,
            referenceTFC-ID 0
          }r
          powerOffsetPp-m -5
        }
      }
    }
  }r
  prach-Partitioning-fdd : {
    {
      accessServiceClass-FDD {
        availableSignatureStartIndex 0,
        availableSignatureEndIndex 7,
        assignedSubChannelNumber '1111'B
      }
    }r
    {
      accessServiceClass-FDD {
        availableSignatureStartIndex 0,

```

```

availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
},
persistenceScalingFactorList {
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9
},
modeSpecificInfo fdd : {
primaryCPICH-TX-Power 31,
constantValue -10,
prach-PowerOffset {
powerRampStep 3,
preambleRetransMax 2
},
rach-TransmissionParameters {
mmax 2,
nb01Min 3,
nb01Max 10
},
aich-Info {
channelisationCode256 3,
sttd-Indicator FALSE,
aich-TransmissionTiming e0
}
}
},
sCCPCH-SystemInformationList {
secondaryCCPCH-Info {

```

```

modeSpecificInfo fdd : {
  pCPICH UsageForChannelEst maybeUsed,
  sttd Indicator FALSE,
  sf AndCodeNumber sf64 : 1,
  pilotSymbolExistence FALSE,
  tfci Existence TRUE,
  positionFixedOrFlexible flexible,
  timingOffset 0
}
},
tfcs normalTFCI Signalling : complete : {
  ctfcSize ctfc4Bit : {
    {
      ctfc4 0
    },
    {
      ctfc4 1
    },
    {
      ctfc4 2
    },
    {
      ctfc4 3
    },
    {
      ctfc4 4
    },
    {
      ctfc4 5
    },
    {
      ctfc4 6
    },
    {
      ctfc4 8
    },
    {
      ctfc4 10
    }
  }
},
fach PCH InformationList {
  {
    transportFormatSet commonTransChTFS : {
      tti tti10 : {
        {
          rlc Size fdd : {
            octetModeRLC SizeInfoType2 sizeType1 : 24
          },
          numberOfTbSizeList {
            zero : NULL,
            one : NULL
          },
          logicalChannelList allSizes : NULL
        }
      },
      semistaticTF Information {
        channelCodingType convolutional : half,
        rateMatchingAttribute 230,
        crc Size crc16
      }
    },
    transportChannelIdentity 12,
    ctch Indicator FALSE
  },
  {
    transportFormatSet commonTransChTFS : {
      tti tti10 : {
        {
          rlc Size fdd : {
            octetModeRLC SizeInfoType2 sizeType1 : 15
          },
          numberOfTbSizeList {
            zero : NULL,
            one : NULL,
            small : 2,
            small : 3
          }
        }
      }
    }
  }
},

```



```

}r
cellSelectionReselectionInfo {
  q-OffsetS-N 0,
  maxAllowedUL-TX-Power 33,
  modeSpecificInfo fdd : {
    q-QualMin 20,
    q-RxlevMin 58
  }
}
}r
{
  intraFreqCellID 1,
  cellInfo {
    cellIndividualOffset 0,
    modeSpecificInfo fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 150
      }r
      readSFN-Indicator TRUE,
      tx-DiversityIndicator FALSE
    }r
    cellSelectionReselectionInfo {
      q-OffsetS-N 0,
      maxAllowedUL-TX-Power 33,
      modeSpecificInfo fdd : {
        q-QualMin 20,
        q-RxlevMin 58
      }
    }
  }
}r
{
  intraFreqCellID 2,
  cellInfo {
    cellIndividualOffset 0,
    modeSpecificInfo fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 200
      }r
      readSFN-Indicator TRUE,
      tx-DiversityIndicator FALSE
    }r
    cellSelectionReselectionInfo {
      q-OffsetS-N 0,
      maxAllowedUL-TX-Power 33,
      modeSpecificInfo fdd : {
        q-QualMin 20,
        q-RxlevMin 58
      }
    }
  }
}r
{
  intraFreqCellID 3,
  cellInfo {
    cellIndividualOffset 0,
    modeSpecificInfo fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 250
      }r
      readSFN-Indicator TRUE,
      tx-DiversityIndicator FALSE
    }r
    cellSelectionReselectionInfo {
      q-OffsetS-N 0,
      maxAllowedUL-TX-Power 33,
      modeSpecificInfo fdd : {
        q-QualMin 20,
        q-RxlevMin 58
      }
    }
  }
}r
intraFreqMeasQuantity {
  filterCoefficient fc0,

```





```
    },
    readSFN-Indicator TRUE,
    tx-DiversityIndicator FALSE
  },
  cellSelectionReselectionInfo {
    q-OffsetS-N 0,
    maxAllowedUL-TX-Power 33,
    modeSpecificInfo-fdd : {
      q-QualMin 20,
      q-RxlevMin -58
    }
  }
}
},
{
  intraFreqCellID 1,
  cellInfo {
    cellIndividualOffset 0,
    modeSpecificInfo-fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 150
      }
    },
    readSFN-Indicator TRUE,
    tx-DiversityIndicator FALSE
  },
  cellSelectionReselectionInfo {
    q-OffsetS-N 0,
    maxAllowedUL-TX-Power 33,
    modeSpecificInfo-fdd : {
      q-QualMin 20,
      q-RxlevMin -58
    }
  }
}
},
{
  intraFreqCellID 2,
  cellInfo {
    cellIndividualOffset 0,
    modeSpecificInfo-fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 200
      }
    },
    readSFN-Indicator TRUE,
    tx-DiversityIndicator FALSE
  },
  cellSelectionReselectionInfo {
    q-OffsetS-N 0,
    maxAllowedUL-TX-Power 33,
    modeSpecificInfo-fdd : {
      q-QualMin 20,
      q-RxlevMin -58
    }
  }
}
},
{
  intraFreqCellID 3,
  cellInfo {
    cellIndividualOffset 0,
    modeSpecificInfo-fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 250
      }
    },
    readSFN-Indicator TRUE,
    tx-DiversityIndicator FALSE
  },
  cellSelectionReselectionInfo {
    q-OffsetS-N 0,
    maxAllowedUL-TX-Power 33,
    modeSpecificInfo-fdd : {
      q-QualMin 20,
      q-RxlevMin -58
    }
  }
}
}
```



3GPP TSG-T1 Meeting #17  
 Luton, England, 4<sup>th</sup> and 8<sup>th</sup>, Nov 2002  
 3GPP TSG-T1/SIG Meeting #26  
 Luton, England, 5<sup>th</sup>-7<sup>th</sup>, Nov 2002

Tdoc # T1-020778

Tdoc # T1S-020745

CR-Form-v7

## CHANGE REQUEST

# **34.108 CR 156** # rev **-** # Current version: **4.4.0** #

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 Rel-4 ; Transferring system information definition using ASN.1 description to PRD	
<b>Source:</b>	#	NTT DoCoMo	
<b>Work item code:</b>	#	TEI	<b>Date:</b> # 3/11/2002
<b>Category:</b>	#	<b>A</b>	<b>Release:</b> # Rel-4
		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 TR 21.900.	Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	#	<input type="checkbox"/> 1 To make it clear which system information definitions to be used to make TTCN files. <input type="checkbox"/> 2 System information definitions should be dealt with in the same way as the RRC and NAS messages in PRD.
<b>Summary of change:</b>	#	The description of system information definitions using ASN.1 is removed from Annex.A in TS 34.108 and put in PRD(permanent reference description).
<b>Consequences if not approved:</b>	#	Description of system information definition using ASN.1 is duplicated in TS 34.108 and PRD.

<b>Clauses affected:</b>	#	Annex A								
<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> </table> Other core specifications # <input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Test specifications # <input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> O&M Specifications # <input type="checkbox"/>	Y	N	#	X	#	X	#	X
Y	N									
#	X									
#	X									
#	X									
<b>Other comments:</b>	#	<input type="text"/>								

**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.

## Annex A (informative): Void System information definition using ASN.1 description

Reference: clause 6.1.

```

MasterInformationBlock
mib-ValueTag 1,
plmn-Type {
  gsm-MAP {
    plmn-Identity {
      mcc {
        MCC 0,
        MCC 0,
        MCC 1
      },
      mnc {
        MNC 1
      }
    }
  }
},
sibSb-ReferenceList {
  SIBSb-ReferenceList {
    sibSb-Type sysInfoTypeSBI 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep16 1
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType1 2,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep128 5
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType2 2,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep128 7
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType3 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep64 3
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType4 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep64 19
        }
      }
    }
  }
}

```

```

}
}
}
}
}
SysInfoTypeSB1
{
  sib-ReferenceList {
    {
      sib-Type sysInfoType5 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos-repl28 : 13,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType6 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos-repl28 : 21,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType7 : NULL,
      scheduling {
        scheduling {
          segCount 1,
          sib-Pos-repl28 : 11
        }
      }
    },
    {
      sib-Type sysInfoType11 : 1,
      scheduling {
        scheduling {
          segCount 2,
          sib-Pos-repl28 : 29,
          sib-PosOffsetInfo {
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType12 : 1,
      scheduling {
        scheduling {
          segCount 2,
          sib-Pos-repl28 : 53,
          sib-PosOffsetInfo {
            so2
          }
        }
      }
    }
  }
}
SysInfoType1
{
  cn-CommonGSM-MAP-NAS-SysInfo '00-80'H,
  cn-DomainSysInfoList {
    {
      cn-DomainIdentity ps-domain,
      cn-Type-gsm-MAP : '00-00'H,

```

```

cn-DRX-CycleLengthCoeff 7
},
{
cn-DomainIdentity cs-domain,
cn-Type gsm-MAP : '1E 01'H,
cn-DRX-CycleLengthCoeff 7
}
},
ue-ConnTimersAndConstants {
t-301 ms2000,
n-301 2,
t-302 ms4000,
n-302 3,
t-304 ms1000,
n-304 3,
t-305 ms60,
t-307 s50,
t-308 ms320,
t-309 s,
t-310 ms320,
n-310 5,
t-311 ms500,
t-312 s,
n-312 s200,
t-313 10,
n-313 s20,
t-314 s20,
t-315 s30,
n-315 s200,
t-316 s50,
t-317 s1800
},
ue-IdleTimersAndConstants {
t-300 ms400,
n-300 7,
t-312 10,
n-312 s200
}
}

SysInfoType2
{
ura-IdentityList {
'00000000 00000001'B
}
}

SysInfoType3
{
sib4indicator TRUE,
cellIdentity '00000000 00000000 0001'B,
cellSelectReselectInfo {
mappingInfo {
{
rat-utra-FDD,
mappingFunctionParameterList {
{
functionType linear,
mapParameter1 1,
mapParameter2 1,
upperLimit 1
}
}
}
}
},
cellSelectQualityMeasure cpich-Ec-N0 : {
q-HYST 2-S-0
},
modeSpecificInfo-fdd : {
s-Intrasearch 8,
s-Intersearch 8,
s-SearchHCS 5,
q-QualMin 20,
q-RxlevMin 58
},
q-Hyst-1-S-0,
t-Reselection-S-0,
hcs-ServingCellInformation {

```





```

----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred,
----- notBarred
----- }
----- }
----- }
}

```

```

SysInfoType5
{
----- sib6indicator TRUE,
----- pichPowerOffset -5,
----- modeSpecificInfo fdd : {
----- aichPowerOffset 0
----- },
----- primaryCCPCHInfo fdd : {
----- txDiversityIndicator FALSE
----- },
----- prachSystemInformationList {
----- {
----- prachRACHInfo {
----- modeSpecificInfo fdd : {
----- availableSignatures '00000000 11111111'B,
----- availableSF sfpr64,
----- preambleScramblingCodeWordNumber 0,
----- puncturingLimit pl1,
----- availableSubChannelNumbers '11111111 1111'B
----- }
----- },
----- transportChannelIdentity 15,
----- rachTransportFormatSet commonTransChTFS : {
----- tti tti20 : {
----- {
----- rlcSize fdd : {
----- octetModeRLCSizeInfoType2 sizeType1 : 15
----- },
----- numberOfTbSizeList {
----- one : NULL
----- },
----- logicalChannelList configured : NULL
----- },
----- {
----- rlcSize fdd : {
----- octetModeRLCSizeInfoType2 sizeType2 : 3
----- },
----- numberOfTbSizeList {
----- one : NULL
----- },
----- logicalChannelList configured : NULL
----- }
----- },
----- },
----- semistaticTFInformation {
----- channelCodingType convolutional : half,
----- rateMatchingAttribute 150,
----- crcSize crc16
----- }
----- },
----- rachTFCS normalTFCSIgnalling : complete : {
----- ctfcSize ctfc2Bit : {
----- {
----- ctfc2 0,
----- powerOffsetInformation {
----- gainFactorInformation computedGainFactors : 0,
----- powerOffsetPp-m -5
----- }
----- }
----- },
----- ctfc2 1,
----- powerOffsetInformation {
----- gainFactorInformation signalledGainFactors : {
----- modeSpecificInfo fdd : {
----- gainFactorBetaC 10

```

```

}
gainFactorBetaD 15,
referenceTFC ID 0
},
powerOffsetPp m 5
}
}
},
prach Partitioning fdd : {
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
{
accessServiceClass FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
}
},
},
persistenceScalingFactorList {
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9
},
ac To ASC MappingTable {
6,
4,

```

```

----- 3,
----- 2,
----- 1,
----- 0
----- },
----- modeSpecificInfo fdd : {
-----   primaryCPICH-TX-Power 31,
-----   constantValue 10,
-----   prach-PowerOffset {
-----     powerRampStep 3,
-----     preambleRetransMax 2
-----   },
-----   rach-TransmissionParameters {
-----     mmax 2,
-----     nb01Min 3,
-----     nb01Max 10
-----   },
-----   aich-Info {
-----     channelisationCode256 3,
-----     sttd-Indicator FALSE,
-----     aich-TransmissionTiming e0
-----   }
----- }
----- }
----- },
----- sCCPCH-SystemInformationList {
-----   {
-----     secondaryCCPCH-Info {
-----       modeSpecificInfo fdd : {
-----         pCPICH-UsageForChannelEst maybeUsed,
-----         sttd-Indicator FALSE,
-----         sf-AndCodeNumber sf64 : 1,
-----         pilotSymbolExistence FALSE,
-----         tfei-Existence TRUE,
-----         positionFixedOrFlexible flexible,
-----         timingOffset 0
-----       }
-----     },
-----     tfcs-normalTFCI-Signalling : complete : {
-----       etfeSize etfe4Bit : {
-----         {
-----           etfe4 0
-----         },
-----         {
-----           etfe4 1
-----         },
-----         {
-----           etfe4 2
-----         },
-----         {
-----           etfe4 3
-----         },
-----         {
-----           etfe4 4
-----         },
-----         {
-----           etfe4 5
-----         },
-----         {
-----           etfe4 6
-----         },
-----         {
-----           etfe4 8
-----         },
-----         {
-----           etfe4 10
-----         }
-----       }
-----     }
-----   }
----- },
----- fach-PCCH-InformationList {
-----   {
-----     transportFormatSet commonTransChTFS : {
-----       tti tt10 : {
-----         {
-----           rlc-Size fdd : {
-----             octetModeRLC-SizeInfoType2 sizeType1 : 24
-----           },
-----           numberOfTbSizeList {

```



```

}r
primaryCCPCH-Info-fdd : {
  tx-DiversityIndicator FALSE
}r
prach-SystemInformationList {
  {
    prach-RACH-Info {
      modeSpecificInfo-fdd : {
        availableSignatures '00000000 11111111'B,
        availableSF-sfpr64,
        preambleScramblingCodeWordNumber 0,
        puncturingLimit-pl1,
        availableSubChannelNumbers '11111111 1111'B
      }
    }r
    transportChannelIdentity 15,
    rach-TransportFormatSet-commonTransChTFS : {
      tti-tti20 : {
        {
          rlc-Size-fdd : {
            octetModeRLC-SizeInfoType2 sizeType1 : 15
          }r
          numberOfTbSizeList {
            one : NULL
          }r
          logicalChannelList-configured : NULL
        }r
        {
          rlc-Size-fdd : {
            octetModeRLC-SizeInfoType2 sizeType2 : 3
          }r
          numberOfTbSizeList {
            one : NULL
          }r
          logicalChannelList-configured : NULL
        }
      }r
    }r
    semistaticTF-Information {
      channelCodingType-convolutional : half,
      rateMatchingAttribute 150,
      crc-Size-crc16
    }
  }r
  rach-TFCS-normalTFCS-signalling : complete : {
    ctfcSize-ctfc2Bit : {
      {
        ctfc2 0,
        powerOffsetInformation {
          gainFactorInformation-computedGainFactors : 0,
          powerOffsetPp-m -5
        }
      }r
      {
        ctfc2 1,
        powerOffsetInformation {
          gainFactorInformation-signalledGainFactors : {
            modeSpecificInfo-fdd : {
              gainFactorBetaC 10
            }r
            gainFactorBetaD 15,
            referenceTFC-ID 0
          }r
          powerOffsetPp-m -5
        }
      }
    }
  }r
  prach-Partitioning-fdd : {
    {
      accessServiceClass-FDD {
        availableSignatureStartIndex 0,
        availableSignatureEndIndex 7,
        assignedSubChannelNumber '1111'B
      }
    }r
    {
      accessServiceClass-FDD {
        availableSignatureStartIndex 0,

```

```

availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass-FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass-FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass-FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass-FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass-FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
{
accessServiceClass-FDD {
availableSignatureStartIndex 0,
availableSignatureEndIndex 7,
assignedSubChannelNumber '1111'B
    }
},
},
persistenceScalingFactorList {
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9,
psf0 9
},
modeSpecificInfo fdd : {
primaryCPICH-TX-Power 31,
constantValue -10,
prach-PowerOffset {
powerRampStep 3,
preambleRetransMax 2
},
rach-TransmissionParameters {
mmax 2,
nb01Min 3,
nb01Max 10
},
aich-Info {
channelisationCode256 3,
sttd-Indicator FALSE,
aich-TransmissionTiming e0
}
}
},
sCCPCH-SystemInformationList {
secondaryCCPCH-Info {

```

```

modeSpecificInfo fdd : {
  pCPICH UsageForChannelEst maybeUsed,
  sttd Indicator FALSE,
  sf AndCodeNumber sf64 : 1,
  pilotSymbolExistence FALSE,
  tfci Existence TRUE,
  positionFixedOrFlexible flexible,
  timingOffset 0
}
},
tfcs normalTFCI Signalling : complete : {
  ctfcSize ctfc4Bit : {
    {
      ctfc4 0
    },
    {
      ctfc4 1
    },
    {
      ctfc4 2
    },
    {
      ctfc4 3
    },
    {
      ctfc4 4
    },
    {
      ctfc4 5
    },
    {
      ctfc4 6
    },
    {
      ctfc4 8
    },
    {
      ctfc4 10
    }
  }
}
},
fach PCH InformationList {
  {
    transportFormatSet commonTransChTFS : {
      tti tti10 : {
        {
          rlc Size fdd : {
            octetModeRLC SizeInfoType2 sizeType1 : 24
          },
          numberOfTbSizeList {
            zero : NULL,
            one : NULL
          },
          logicalChannelList allSizes : NULL
        }
      },
      semistaticTF Information {
        channelCodingType convolutional : half,
        rateMatchingAttribute 230,
        crc Size crc16
      }
    },
    transportChannelIdentity 12,
    ctch Indicator FALSE
  },
  {
    transportFormatSet commonTransChTFS : {
      tti tti10 : {
        {
          rlc Size fdd : {
            octetModeRLC SizeInfoType2 sizeType1 : 15
          },
          numberOfTbSizeList {
            zero : NULL,
            one : NULL,
            small : 2,
            small : 3
          }
        }
      }
    }
  }
}
},

```





```

}r
cellSelectionReselectionInfo {
  q-OffsetS-N 0r
  maxAllowedUL-TX-Power 33r
  modeSpecificInfo fdd : {
    q-QualMin -20r
    q-RxlevMin -58
  }
}
}r
{
  intraFreqCellID 1r
  cellInfo {
    cellIndividualOffset 0r
    modeSpecificInfo fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 150
      }r
      readSFN-Indicator TRUEr
      tx-DiversityIndicator FALSE
    }r
    cellSelectionReselectionInfo {
      q-OffsetS-N 0r
      maxAllowedUL-TX-Power 33r
      modeSpecificInfo fdd : {
        q-QualMin -20r
        q-RxlevMin -58
      }
    }
  }
}r
{
  intraFreqCellID 2r
  cellInfo {
    cellIndividualOffset 0r
    modeSpecificInfo fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 200
      }r
      readSFN-Indicator TRUEr
      tx-DiversityIndicator FALSE
    }r
    cellSelectionReselectionInfo {
      q-OffsetS-N 0r
      maxAllowedUL-TX-Power 33r
      modeSpecificInfo fdd : {
        q-QualMin -20r
        q-RxlevMin -58
      }
    }
  }
}r
{
  intraFreqCellID 3r
  cellInfo {
    cellIndividualOffset 0r
    modeSpecificInfo fdd : {
      primaryCPICH-Info {
        primaryScramblingCode 250
      }r
      readSFN-Indicator TRUEr
      tx-DiversityIndicator FALSE
    }r
    cellSelectionReselectionInfo {
      q-OffsetS-N 0r
      maxAllowedUL-TX-Power 33r
      modeSpecificInfo fdd : {
        q-QualMin -20r
        q-RxlevMin -58
      }
    }
  }
}r
intraFreqMeasQuantity {
  filterCoefficient fc0r

```



```
    },  
    readSFN-Indicator TRUE,  
    tx-DiversityIndicator FALSE  
  },  
  cellSelectionReselectionInfo {  
    q-OffsetS-N 0,  
    maxAllowedUL-TX-Power 33,  
    modeSpecificInfo-fdd : {  
      q-QualMin 20,  
      q-RxlevMin -58  
    }  
  }  
}  
},  
{  
  intraFreqCellID 1,  
  cellInfo {  
    cellIndividualOffset 0,  
    modeSpecificInfo-fdd : {  
      primaryCPICH-Info {  
        primaryScramblingCode 150  
      }  
    },  
    readSFN-Indicator TRUE,  
    tx-DiversityIndicator FALSE  
  },  
  cellSelectionReselectionInfo {  
    q-OffsetS-N 0,  
    maxAllowedUL-TX-Power 33,  
    modeSpecificInfo-fdd : {  
      q-QualMin 20,  
      q-RxlevMin -58  
    }  
  }  
}  
},  
{  
  intraFreqCellID 2,  
  cellInfo {  
    cellIndividualOffset 0,  
    modeSpecificInfo-fdd : {  
      primaryCPICH-Info {  
        primaryScramblingCode 200  
      }  
    },  
    readSFN-Indicator TRUE,  
    tx-DiversityIndicator FALSE  
  },  
  cellSelectionReselectionInfo {  
    q-OffsetS-N 0,  
    maxAllowedUL-TX-Power 33,  
    modeSpecificInfo-fdd : {  
      q-QualMin 20,  
      q-RxlevMin -58  
    }  
  }  
}  
},  
{  
  intraFreqCellID 3,  
  cellInfo {  
    cellIndividualOffset 0,  
    modeSpecificInfo-fdd : {  
      primaryCPICH-Info {  
        primaryScramblingCode 250  
      }  
    },  
    readSFN-Indicator TRUE,  
    tx-DiversityIndicator FALSE  
  },  
  cellSelectionReselectionInfo {  
    q-OffsetS-N 0,  
    maxAllowedUL-TX-Power 33,  
    modeSpecificInfo-fdd : {  
      q-QualMin 20,  
      q-RxlevMin -58  
    }  
  }  
}  
}
```



3GPP TSG- T1 Meeting #17  
Luton, England 4<sup>th</sup> – 8<sup>th</sup> Nov 2002

Tdoc # T1-020779

3GPP TSG-T1/SIG Meeting #26  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1S-020753

CR-Form-v7

## CHANGE REQUEST

⌘ 34.108 CR 157 ⌘ rev - ⌘ Current version: 3.9.0 ⌘

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 TS34.108 R99; Correction to RLC RAB TFCS		
<b>Source:</b>	⌘ Anritsu		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 30/10/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
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 RLC test method as described in 34123c150.doc requires that the TFCS used for RLC testing guarantees that Tr mode segmentation will not occur.  This requirement is included in 34.108 as a note for the DL UM RAB with 7 bit length indicators, but the corresponding note is missing for the UL UM RAB with 7 bit length indicators and the UL and DL AM RAB with 7 bit length indicators.  The present CR adds the missing notes, and specifies the TFCS to be used for each RAB to ensure that the RLC test method requirements are met.
<b>Summary of change:</b>	⌘ Added note to UL transport channel parameters for UM RAB with 7 bit length indicators indicating that TF2, TF3, and TF4 are not applied to the TFS for RLC test cases (this was already present for DL).  Added reduced TFCS to UL and DL RABs for UM RAB with 7 bit length indicators.  Added notes to UL and DL transport channel parameters for AM RAB with 7 bit length indicators indicating that TF2, TF3, and TF4 are not applied to the TFS for RLC test cases.  Added reduced TFCS to UL and DL RABs for AM RAB with 7 bit length indicators.
<b>Consequences if</b>	⌘ RLC test method requirements will not be met, which may cause a failure verdict

**not approved:** to be assigned to a good UE.

<b>Clauses affected:</b>	⌘	6.11.1; 6.11.3										
<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>	⌘											

**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.

## 6.11 Common Radio Bearer configurations for other test purposes

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

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

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

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

**Transport channel parameters for the Uplink RAB**

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336( <a href="#">nNote4</a> )
		TF3, bits	3x336( <a href="#">nNote4</a> )
		TF4, bits	4x336( <a href="#">nNote4</a> )
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
RM attribute	130-170		

[NOTE: This TFI is not applied to TFS for RLC test cases.](#)

#### TFCS

<a href="#">TFCS size</a>	4
<a href="#">TFCS</a>	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

### Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336 (note)
		TF3, bits	3x336 (note)
		TF4, bits	4x336 (note)
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
RM attribute	130-170		

NOTE: This TFI is not applied to TFS for RLC test cases.

### TFCS

TFCS size	4
TFCS	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

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

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

### Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	1336	
	Max data rate, bps	66800	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
	RM attribute	130-170	



**Transport channel parameters for the Downlink RAB**

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	1336	
	Max data rate, bps	66800	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
RM attribute	130-170		

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

Transport channel parameters for the Uplink RAB

See clause 6.10.2.4.1.24.1. [Note that TF2, TF3, and TF4 are not applied to the TFS for RLC tests, so the TFCS is defined as follows.](#)

**TFCS**

<a href="#">TFCS size</a>	4
<a href="#">TFCS</a>	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

Transport channel parameters for the Downlink RAB

See clause 6.10.2.4.1.25.2. [Note that TF2, TF3, and TF4 are not applied to the TFS for RLC tests, so TFCS is defined as follows.](#)

**TFCS**

<a href="#">TFCS size</a>	4
<a href="#">TFCS</a>	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

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

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

### Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	1328	
	Max data rate, bps	66400	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
	RM attribute	130-170	

### Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	1328	
	Max data rate, bps	66400	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	RM attribute	130-170	

3GPP TSG- T1 Meeting #17  
Luton, England 4<sup>th</sup> – 8<sup>th</sup> Nov 2002

Tdoc # T1-020780

3GPP TSG-T1/SIG Meeting #26  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1S-020754

CR-Form-v7

## CHANGE REQUEST

⌘ 34.108 CR 158 ⌘ rev - ⌘ Current version: 4.4.0 ⌘

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 TS34.108 Rel-4; Correction to RLC RAB TFCS		
<b>Source:</b>	⌘ Anritsu		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 30/10/2002
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ Rel-4
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 RLC test method as described in 34123c150.doc requires that the TFCS used for RLC testing guarantees that Tr mode segmentation will not occur.  This requirement is included in 34.108 as a note for the DL UM RAB with 7 bit length indicators, but the corresponding note is missing for the UL UM RAB with 7 bit length indicators and the UL and DL AM RAB with 7 bit length indicators.  The present CR adds the missing notes, and specifies the TFCS to be used for each RAB to ensure that the RLC test method requirements are met.
<b>Summary of change:</b>	⌘ Added note to UL transport channel parameters for UM RAB with 7 bit length indicators indicating that TF2, TF3, and TF4 are not applied to the TFS for RLC test cases (this was already present for DL).  Added reduced TFCS to UL and DL RABs for UM RAB with 7 bit length indicators.  Added notes to UL and DL transport channel parameters for AM RAB with 7 bit length indicators indicating that TF2, TF3, and TF4 are not applied to the TFS for RLC test cases.  Added reduced TFCS to UL and DL RABs for AM RAB with 7 bit length indicators.
<b>Consequences if</b>	⌘ RLC test method requirements will not be met, which may cause a failure verdict

**not approved:** to be assigned to a good UE.

<b>Clauses affected:</b>	⌘	6.11.1; 6.11.3										
<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											
	X	Test specifications										
	X	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.

## 6.11 Common Radio Bearer configurations for other test purposes

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

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

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

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

**Transport channel parameters for the Uplink RAB**

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336( <a href="#">nNote4</a> )
		TF3, bits	3x336( <a href="#">nNote4</a> )
		TF4, bits	4x336( <a href="#">nNote4</a> )
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
	RM attribute	130-170	

[NOTE: This TFI is not applied to TFS for RLC test cases.](#)

#### TFCS

<u>TFCS size</u>	4
<u>TFCS</u>	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

### Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336 (note)
		TF3, bits	3x336 (note)
		TF4, bits	4x336 (note)
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	4236		
RM attribute	130-170		

NOTE: This TFI is not applied to TFS for RLC test cases.

### TFCS

TFCS size	4
TFCS	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

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

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

### Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	1336	
	Max data rate, bps	66800	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
	RM attribute	130-170	

**Transport channel parameters for the Downlink RAB**

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	1336	
	Max data rate, bps	66800	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	RM attribute	130-170	

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

Transport channel parameters for the Uplink RAB

See clause 6.10.2.4.1.24.1. [Note that TF2, TF3, and TF4 are not applied to the TFS for RLC tests, so the TFCS is defined as follows.](#)

**TFCS**

<a href="#">TFCS size</a>	4
<a href="#">TFCS</a>	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

Transport channel parameters for the Downlink RAB

See clause 6.10.2.4.1.25.2. [Note that TF2, TF3, and TF4 are not applied to the TFS for RLC tests, so TFCS is defined as follows.](#)

**TFCS**

<a href="#">TFCS size</a>	4
<a href="#">TFCS</a>	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

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

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

### Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	1328	
	Max data rate, bps	66400	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
	RM attribute	130-170	

### Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	1328	
	Max data rate, bps	66400	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS	TF0, bits	0x1344
		TF1, bits	1x1344
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	RM attribute	130-170	



**3GPP TSG-T1 Meeting #17**  
**Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002**

**T1-020782**

**3GPP TSG-T1/SIG Meeting #26**  
**Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002**

**T1S020731**

CR-Form-v7

## CHANGE REQUEST

⌘ **34.108 CR 159** ⌘ rev **-** ⌘ Current version: **3.9.0** ⌘

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 R-99 Default Message contents : Correction from CRs approved in RP17meeting		
<b>Source:</b>	⌘ Panasonic		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 28/10/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
<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>	⌘	1. From CR1573 UE report of "SFN-SFN observed time difference" measurement in Intra- and Inter-frequency measurement report is not needed from a functional point of view.  2. From CR1529 It is clarified that the UE behaviour is unspecified if the UE is in CELL_FACH state and the value of the IE "Activation time" is different from "Now" in FDD.
<b>Summary of change:</b>	⌘	1. Change to 9.1.1 IE "SFN-SFN observed time difference" and IE "SFN-SFN observed time difference reporting indicator" is deleted.  2. Change to 9.1.1 IE "Activation time" included in message used for transition form CELL_FACH is changed from "(256+CFN-(CFN MOD 8 + 8))MOD 256" to "Not present".
<b>Consequences if not approved:</b>	⌘	The test specifications are not aligned with the core specification

<b>Clauses affected:</b>	⌘ 9.1.1
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<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>	⌘												

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

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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.

## 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	Arbitrarily selects one integer between 0 to 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	now
Activation time	Not Present
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
SSTD information	Not Present

## 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
U-RNTI	Checked to see if it is set to the following values 0000 0000 0001B 0000 0000 0000 0000 0001B
- SRNC identity	
- S-RNTI	
RRC transaction identifier	Checked to see if it is absent
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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 – 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	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	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH	Not Present
information for DRAC list	
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 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 Integrity check info  - Message authentication code  - RRC Message sequence number CN domain identity NAS message	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. CS domain or PS domain See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark
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 Measured results on RACH	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 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 to bits b14 through b23 of the P-TMSI. The TMSI/ P-TMSI bits are numbered from b0 to b31, with bit b0 being the least significant. FALSE Set according to that indicated in specific message content for each test case Not checked 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- Message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	1
Measurement Identity	Setup
Measurement Command	
Measurement Reporting Mode	Acknowledged mode RLC
- Measurement Report Transfer Mode	Periodical reporting
- Periodical Reporting/Event Trigger Reporting Mode	
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	
<del>- SFN-SFN observed time difference reporting indicator</del>	<del>No report</del>
- 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	
<del>- SFN-SFN observed time difference reporting indicator</del>	<del>No report</del>
- 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
- Maximum number of reported cells	2
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
- SFN-SFN observed time difference	Checked that this IE is absent
- 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/NO	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

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	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 (Packet in 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 PAGING TYPE 1 message: TM (SMS in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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
Message Type	A1, A2, A3, A4, A5, A6	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info		SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code		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	A1, A2, A3, A4, A5, A6	$(256 + \text{CFN} - (\text{CFN} \bmod 8 + 8)) \bmod 256$
Activation time		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
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
Frequency info		Reference to clause 5.1 Test frequencies
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		33dBm
Maximum allowed UL TX power		
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		-6dB
- DPCH power offset		1 frame
- PC Preamble		7 frames
- SRB delay		Algorithm1
- Power Control Algorithm		1dB
- TPC step size		Long
- Scrambling code type		0 (0 to 16777215)
- Scrambling code number		Not Present(1)
- Number of DPDCH		Reference to TS34.108 clause 6.10
- spreading factor		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
- Number of FBI bit		Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10
		Parameter Set
CHOICE Mode	A1, A2, A3, A4, A5, A6	FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3	Maintain
- Downlink DPCH info common for all RL		Not Present
- Timing indicator		
- CFN-targetSFN frame offset		
- Downlink DPCH power control information		
- DPC mode		0 (single)

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPDCH}</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>		<p>FDD</p> <p>0</p> <p>Not Present</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>Not Present</p> <p>None</p> <p>Not Present</p> <p>Not Present</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 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-DPDCH}</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	<p>Initialise</p> <p>Not Present</p> <p>0 (single)</p> <p>FDD</p> <p>0</p> <p>Not Present</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>Not Present</p> <p>None</p> <p>Not Present</p> <p>Arbitrary set to value 0..306688 by step of 512</p>
Downlink information common for all radio links	A5, A6	Not Present
<p>Downlink information for each radio links</p> <ul style="list-style-type: none"> <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</li> <li>- CHOICE mode</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, A4	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</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 mod 38400</p> <p>0</p> <p>Not Present</p> <p>5</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause</p>

Information Element	Condition	Value/remark
- PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH Information for FACH		6.1 (FDD) Not Present Not Present Not Present 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 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The UE shall include this IE if the following two conditions are fulfilled: (a) The PHYSICAL CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The PHYSICAL CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 (Speech in CS)

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements
Integrity check info	in TS 34.123-2. If integrity protection is indicated to be
- message authentication code	active, this IE is present with the values of the sub IEs as
- RRC message sequence number	stated below. Else, this IE and the sub-IEs are omitted.
Integrity protection mode info	SS calculates the value of MAC-I for this message and
Ciphering mode info	writes to this IE.
Activation time	SS provides the value of this IE, from its internal counter.
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	2

Information Element	Value/remark
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not 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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor $\beta_c$	11 (below 64 kbps)
- Gain factor $\beta_d$	9 (higher than 64 kbps)
- Reference TFC ID	(Not Present if the above is set to Computed Gain Factors)
- CHOICE mode	15
- Power offset P p-m	(Not Present if the above is set to Computed Gain Factors)
Deleted TrCH information list	0
Added or Reconfigured TrCH information list	FDD
- Added or Reconfigured UL TrCH information	Not Present
- Uplink transport channel type	Not Present
- UL Transport channel identity	3 DCHs added, 1 DCH reconfigured
- TFS	DCH
	1

Information Element	Value/remark
<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> <li>- Uplink transport channel type</li> <li>- UL Transport channel identity</li> <li>- TFS</li> </ul>	<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 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>2</p>
<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>- 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>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 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>3</p>
<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>- 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>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 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>5</p>
<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>- 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>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 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</p>



Information Element	Value/remark
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	Same as UL
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	1
- DCH quality target	
- BLER Quality value	-2.0
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	3
- DCH quality target	
- BLER Quality value	Not Present
- 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	33dBm
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
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	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	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{Pilot-DPCH}$	0
- DL rate matching restriction information	Not Present

Information Element	Value/remark
<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>- 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>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>
<p>Downlink information for each radio link list</p>	
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	
<ul style="list-style-type: none"> <li>- Choice mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>- Primary CPICH info</li> </ul>	Reference to clause 6.1 "Default settings (FDD)"
<ul style="list-style-type: none"> <li>- Primary scrambling code</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- PDSCH code mapping</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL</li> </ul>	Primary CPICH may be used
<ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> </ul>	0 chips
<ul style="list-style-type: none"> <li>- DPCH frame offset</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Secondary CPICH info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- DL channelisation code</li> </ul>	1
<ul style="list-style-type: none"> <li>- Secondary scrambling code</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Spreading factor</li> </ul>	0
<ul style="list-style-type: none"> <li>- Code number</li> </ul>	No change
<ul style="list-style-type: none"> <li>- Scrambling code change</li> </ul>	0
<ul style="list-style-type: none"> <li>- TPC combination index</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- SSDT Cell Identity</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Closed loop timing adjustment mode</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- SCCPCH information for FACH</li> </ul>	Not Present

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

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	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	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
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	
- RAB info	
- RAB identity	0000 0101B
- 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	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBmuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present

Information Element	Value/remark
- CHOICE RLC size list	Configured
- MAC logical channel priority	8
- 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	1
- Number of downlink RLC logical channels	FACH
- Downlink transport channel type	Not Present
- 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	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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor $\beta_c$	11 (below 64 kbps)
- Gain factor $\beta_d$	9 (higher than 64 kbps)
- Reference TFC ID	(Not Present if the above is set to Computed Gain Factors)
- CHOICE mode	15
- Power offset P <sub>p-m</sub>	(Not Present if the above is set to Computed Gain Factors)
Deleted TrCH information list	0
Added or Reconfigured TrCH information list	FDD
- Added or Reconfigured UL TrCH information	Not Present
- Uplink transport channel type	Not Present
- UL Transport channel identity	1 DCH added, 1 DCH reconfigured
- TFS	DCH
- CHOICE Transport channel type	1
- Dynamic Transport format information	Dedicated transport channels
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	Reference to TS34.108 clause 6.10 Parameter Set
- 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

Information Element	Value/remark
<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>- 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                  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</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                  FDD</p>
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for</li> </ul>	<p>Not Present                  Not Present</p>
<p>DRAC list</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> </ul>	<p>Not Present                  FDD                  Explicit</p> <p>Normal</p> <p>Complete reconfiguration</p>
<ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset information</li> </ul> <p>Deleted TrCH information list</p>	<p>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                  Not Present</p>
<p>Added or Reconfigured 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>- 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>- 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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> </ul>	<p>DCH                  6                  Explicit</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</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>-2.0                  DCH                  10                  Same as UL                  DCH                  5</p>

Information Element	Value/remark
- BLER Quality value	-2.0
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	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	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{Pilot-DPCH}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSdT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	FDD
- Primary CPICH info	Reference to clause 6.1 "Default settings (FDD)"
- Primary scrambling code	Not Present
- 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	0 chips
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
- Scrambling code change	No change
- TPC combination index	0
- SSdT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A4, A5, A6, A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, <del>A4</del> , A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	<del>A4</del> , A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A4, A7, A8	Not Present
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1, A4, A7, A8	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A4, A5, A6, A7, A8	Not Present
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup	A1, A7	
- RAB info		0000 0001B
- RAB identity		CS domain
- CN domain identity		Not Present
- NAS Synchronization Indicator		useT314
- Re-establishment timer		
- 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
RAB information for setup	A8	
- RAB info		

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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> <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> </ul>		<p>0000 0001B CS domain Not Present useT315</p> <p>10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE</p> <p>Not Present 1 DCH 1 Not Present Configured 6</p> <p>1 DCH 6 Not Present Not Present 11 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE</p> <p>Not Present 1 DCH 2 Not Present Configured 6</p> <p>1 DCH 7 Not Present Not Present 12 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE</p> <p>Not Present 1 DCH 3 Not Present Configured</p>



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		6  1 DCH 8 Not Present Not Present
RAB information for setup <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</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>- 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> </ul>	A4, A5, A6	(AM DTCH for PS domain) 0000 0101B PS domain Not Present useT315  20  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  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 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



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 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> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li>- Type of channel coding</li> </ul>	<p>A4,A5,A6, A7</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH)</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 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 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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</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
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>   <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> </ul>	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 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 Reference to TS34.108 clause 6.10 Parameter Set DCH 2  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
<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> </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>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, A4, A5, A6,A7,A8</p>	<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> </ul>	<p>A1,A7,A8</p>	<p>Not Present</p> <p>FDD</p> <p>SameasUL</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>A4,A5,A6</p>	<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. 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>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> </ul>	<p>A1, A4, A5, A6,A7,A8</p> <p>A1</p>	<p>Not Present</p> <p>1 DCH added, 1 DCH reconfigured</p> <p>DCH</p> <p>6</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>Same as UL DCH 1</p> <p>-2.0 DCH 10</p> <p>Same as UL DCH 5</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>- 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>	<p>A4,A5,A6, A7</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH)</p> <p>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>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>-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>- 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> </ul>	<p>A8</p>	<p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH)</p> <p>DCH 10 Same as UL DCH 5</p> <p>Not Present 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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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> <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> </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>-2.0</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 (This IE is repeated for TFI number.)</p>
<ul style="list-style-type: none"> <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>		<p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>
<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> </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>
<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> </ul>		<p>Not Present</p> <p>DCH</p> <p>8</p> <p>Explicit</p> <p>Dedicated transport channel</p>
<ul style="list-style-type: none"> <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>		<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>
<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> </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>
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		<p>Not Present</p>

Information Element	Condition	Value/remark
Frequency info - UARFCN uplink (Nu) - UARFCN downlink (Nd)	A1, A4, A5, A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement  - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor  - TFCI existence  - Number of FBI bit  - Puncturing Limit	A1, A4, A7, A8	Uplink DPCH info  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode  - Downlink PDSCH information	A1, A4, A5, A6,A7,A8	FDD  Not Present
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	A1	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 FDD Not Present None Not Present Not Present
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	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



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present
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>- 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>	A1	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used 0 chips  Not Present  1 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                             <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>- 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>	A4,A7,A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used Set to value : Default DPCH Offset Value mod 38400  Not Present  1 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                             <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>- 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 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> </ul>	A6	

Information Element	Condition	Value/remark
- Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH		FDD  Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present

Condition	Explanation
A1	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"
A2 is defined in message "RADIO BEARER SETUP message: AM or UM (Speech in CS)".	This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
A3 is defined in message "RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)".	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

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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 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 or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent. 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. Not checked
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## 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 RADIO BEARER SETUP message.
Integrity check info  - Message authentication code  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub-IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
Failure cause Radio bearers for which reconfiguration would have succeeded	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
Message Type	A1,A2,A3, A4,A5,A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, <del>A4</del>	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	<del>A4</del> , 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
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
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 (TM DTCH) 10
- 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		

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 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
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> </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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		<p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for RRC)</p> <p>2</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT High priority)</p> <p>3</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT Low priority)</p> <p>4</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DTCH)</p> <p>20</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>
<p>RB information to be affected</p>	<p>A1, A2, A3,A4,A5, A6</p>	<p>Not Present</p>
<p>UL Transport channel information for all transport channels</p>	<p>A1, A2, A5,A6</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>   <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> </ul>	<p>A3, A4</p>	<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 <a href="#">ComputedGain Factors</a>)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to <a href="#">ComputedGain Factors</a>)</p> <p>0</p> <p>FDD</p>

Information Element	Condition	Value/remark
- Power offset P <sub>p-m</sub>		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 - 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	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 - 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	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 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
<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> </ul>		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 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> <li>- Transmission time interval</li> <li>- Type of channel coding</li> <li>- Coding Rate</li> <li>- Rate matching attribute</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



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		Set Reference to TS34.108 clause 6.10 Parameter Set 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
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
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>- 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 -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5, A6	Not Present
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD Not Present
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> </ul>	A1, A2, A3	Maintain Not Present

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		<p>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</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 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	<p>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 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</p>
<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>- 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>	A1, A2, A3	<p>FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used 0 chips Not Present  2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present 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 <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> </ul> </li> </ul>	A4	FDD

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>- 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>- SSTD Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  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
<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>- SCCPCH Information for FACH</li> </ul>	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present
<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>- Secondary CCPCH info</li> </ul>	A6	FDD  Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not Present 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	Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 List	Not checked

Contents of RADIO BEARER 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 RADIO BEARER RECONFIGURATION COMPLETE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	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 reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

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

Information Element		Value/remark
Message Type	A1, A2, A3, A4, A5, A6, A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, A4, A7, A8	(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, A7, A8	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1, A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6, A7, A8	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
CN information info		Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release	A1, A2, A7, A8	
- RB identity		10
RB information to release	A2, A8	
- RB identity		11
RB information to release	A2, A8	
- RB identity		12
RB information to release	A3, A4, A5, A6	
- RB identity		20
RB information to be affected	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
Downlink counter synchronisation info	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
UL Transport channel information for all transport channels	A1, A2, A3, A4	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1, A2, A3, A5, A7, A8	
- Uplink transport channel type		DCH
- Transport channel identity		1
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type		DCH
- Transport channel identity		2

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

Information Element		Value/remark
<p>CHOICE channel requirement</p> <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>- 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>A1,A2,A3, A4</p>	<p>Uplink DPCH info</p> <ul style="list-style-type: none"> <li>-6dB</li> <li>1 frame</li> <li>7 frames</li> <li>Algorithm1</li> <li>1dB</li> <li>Long</li> <li>0 (0 to 16777215)</li> <li>Not Present(1)</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> </ul>
<p>CHOICE Mode</p> <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	<p>A1,A2,A3, A4,A5,A6, A7, A8</p>	<p>FDD</p> <p>Not Present</p>
<p>Downlink information common for all radio links</p>	<p>A5, A6, A7, A8</p>	<p>Not Present</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 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>	<p>A1,A2, A3</p>	<p>Maintain</p> <p>Not Present</p> <p>0 (single)</p> <p>FDD</p> <p>0</p> <p>Not Present</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>None</p> <p>Not Present</p> <p>Not Present</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 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>	<p>A4</p>	<p>Initialise</p> <p>Not Present</p> <p>0 (single)</p> <p>FDD</p> <p>0</p> <p>Not Present</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>None</p> <p>Not Present</p> <p>Arbitrary set to value 0..306688 by step of 512</p>

Information Element		Value/remark
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 - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  Primary CPICH may be used 0 chips Not Present  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 - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  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
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH	A5, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present
- Downlink information for each radio link	A6	Not Present



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

Contents of RADIO BEARER RELEASE 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 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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER RELEASE message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER RELEASE message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. 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
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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. The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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
Message Type Initial UE identity - CHOICE UE id type - TMSI and LAI (GSM-MAP) Establishment cause Protocol error indicator Measured results on RACH	Set to the UE's TMSI and LAI. To be checked against requirement if specified FALSE To be checked against requirement if specified

Contents of RRC CONNECTION REJECT message: UM

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

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type U-RNTI - SRNC identity - S-RNTI RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number N308 Release cause Rplmn information	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 0000 0000 0000 0000 0001B Arbitrarily selects an integer between 0 and 3 The presence of this IE depends on 2 factors: (a) Ixit statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event 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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. Checked to see if it's identical to the value of XMAC-I calculated by the SS 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
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
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	128
- Timer_RST	500
- Max_RST	4

Information Element	Value/remark
- 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	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	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	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_Window	99
- Timer_poll_periodic	Not Present

Information Element	Value/remark
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (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	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_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 Element	Value/remark
<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</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>	<ul style="list-style-type: none"> <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 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</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> <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 Pp-m</li> </ul>	<ul style="list-style-type: none"> <li>Not Present</li> <li>FDD</li> <li>Not Present</li> <li>Normal</li> <li>Addition</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 signalling radio bearer)</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</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)</li> <li>(Not Present if the above is set to Computed Gain Factors)</li> <li>15</li> <li>(Not Present if the above is set to Computed Gain Factors)</li> <li>0</li> <li>FDD</li> <li>Not Present</li> </ul>
<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> <li>- Transmission Time Interval</li> </ul>	<ul style="list-style-type: none"> <li>DCH</li> <li>5</li> <li>Dedicated transport channels</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> <li>(This IE is repeated for TFI number)</li> <li>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</li> </ul>

Information Element	Value/remark
- 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 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	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- Spreading factor	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
- TX Diversity mode	None
- SSdT information	Not Present



Information Element	Value/remark
- 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
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
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
- 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

Information Element	Value/remark
- 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 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	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- 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

Information Element	Value/remark
<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>- 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 DCH 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>2 (AM DCCH for NAS_DT High priority)</p> <p>Not present</p> <p>RLC info 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>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>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p> <p>3</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>3</p>
<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>- SDU discard mode</li> <li>- MAX_DAT</li> <li>- Transmission window size</li> <li>- Timer_RST</li> </ul>	<p>(AM DCCH for NAS_DT Low priority)</p> <p>Not Present</p> <p>RLC info AM RLC</p> <p>No Discard</p> <p>15</p> <p>128</p> <p>500</p>

Information Element	Value/remark
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- 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	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled Gain Factors)

Information Element	Value/remark
- Gain factor $\beta_c$	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor $\beta_d$	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink Transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

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

## Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type Integrity check info  - Message authentication code  - RRC Message sequence number  Identification of received message Protocol error information - Protocol error cause	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.  This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.  This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.  Not Checked  Refer to test requirement.

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	RRC transaction identifier
Integrity check info	Arbitrarily selects an integer between 0 and 3
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	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.
- UEA0	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.
- UEA1	Spare 2-15 = FALSE
- Spare	0000000000000010B (UIA1)
- Integrity protection algorithm capability	TRUE
- UIA1	Spare 0 and Spare 2-15 = FALSE
- Spare	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	1
- RB identity	Current RLC SN+2
- RLC sequence number	2
- RB identity	Current RLC SN+2
- RLC sequence number	3
- RB identity	Current RLC SN + 2
- RLC sequence number	4
- RB identity	Current RLC SN + 2
- RLC sequence number	
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

Contents of SECURITY MODE 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 Radio bearer uplink ciphering activation time info	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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Not checked. 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  Integrity check info  - Message authentication code  - RRC Message sequence number  Failure cause	Checked to see if the value is the identical to the same IE in the downlink SECURITY MODE COMMAND message. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Refer to test requirement.

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	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  Activation time New U-RNTI New C-RNTI	A1, A2, A3, A4, A5, A6           A1, A2, A3, A4, A5, A6  A1, A2, A3, A4	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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



Information Element	Condition	Value/remark
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
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 <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 <math>P_{p-m}</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 <a href="#">Computed</a> Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to <a href="#">Computed</a> Gain Factors) 0 FDD Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
<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 Set All</p> <p>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 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 Set All</p> <p>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</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 Set All</p> <p>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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE <i>mode</i> <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
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
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  -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
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1,A2,A3, A4,A5,A6	33dBm

Information Element	Condition	Value/remark
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>- DPCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</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  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE Mode  <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD  Not Present
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	
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 Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information for each radio link list	A1, A2, A3	

Information Element	Condition	Value/remark
<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>- 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-DPCH}</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>		<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used</p> <p>0 chips</p> <p>0</p> <p>Not Present</p> <p>4</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>
<p>Downlink information for each radio link list</p> <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>- 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-DPCH}</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	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used</p> <p>Set to value: Default DPCH Offset Value mod 38400</p> <p>0</p> <p>Not Present</p> <p>4</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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>- SCCPCH information for FACH</li> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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>- SCCPCH information for FACH</li> </ul>	A6	<p>FDD</p> <p>Different from the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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

Information Element	Value/remark
Message Type	Checked to see if the value is identical to the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The UE shall include this IE if the following two conditions are fulfilled: (a) The TRANSPORT CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The TRANSPORT CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	Checked to see if it is set to identical value of the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message.
RRC transaction identifier	
Integrity check info	The presence if this IE is dependent on IXT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 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 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. FDD  Allowed transport format combination list 0 (The TFC is constructed from ALL TF0) Not Present Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info  - Message authentication code  - RRC Message sequence number Capability update requirement - UE radio access FDD capability update requirement - UE radio access TDD capability update requirement - System specific capability update requirement list	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter.  TRUE FALSE 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	
- SRNC identity	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- S-RNTI	0000 0000 0001B
RRC transaction identifier	0000 0000 0000 0000 0001B
Integrity check info	Arbitrarily selects and integer between 0 and 3
- message authentication code	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- 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	See the test content
Downlink counter synchronisation info	Not Present

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
Integrity check info	
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	Not Present
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  - RRC Message sequence number	The presence of this IE is dependent on Ixit statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.  This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.  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 COUNT-C activation time	Not checked  The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM, (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Not checked Not checked

**3GPP TSG-T1 Meeting #17**  
**Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002**

**T1-020783**

**3GPP TSG-T1/SIG Meeting #26**  
**Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002**

**T1S020732**

CR-Form-v7

## CHANGE REQUEST

⌘ **34.108 CR 160** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

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 Rel-4 Default Message contents : Correction from CRs approved in RP17meeting				
<b>Source:</b>	⌘ Panasonic				
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 28/10/2002		
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ REL-4		
<i>Use <u>one</u> 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 <u>one</u> 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>	⌘	1. From CR1573 UE report of "SFN-SFN observed time difference" measurement in Intra- and Inter-frequency measurement report is not needed from a functional point of view.  2. From CR1529 It is clarified that the UE behaviour is unspecified if the UE is in CELL_FACH state and the value of the IE "Activation time" is different from "Now" in FDD.
<b>Summary of change:</b>	⌘	1. Change to 9.1.1 IE "SFN-SFN observed time difference" and IE "SFN-SFN observed time difference reporting indicator" is deleted.  2. Change to 9.1.1 IE "Activation time" included in message used for transition from CELL_FACH is changed from "(256+CFN-(CFN MOD 8 + 8))MOD 256" to "Not present".
<b>Consequences if not approved:</b>	⌘	The test specifications are not aligned with the core specification

<b>Clauses affected:</b>	⌘	9.1.1										
<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>	⌘											

**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 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	Arbitrarily selects one integer between 0 to 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info	SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	now
Activation time	Not Present
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
SSTD information	Not Present

Contents of ACTIVE SET UPDATE COMPLETE message: AM

Information Element	Value/remark
Message Type RRC transaction identifier  Integrity check info  - Message authentication code  - RRC Message sequence number	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message The presence of this IE is dependent on IEXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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  Integrity check info  - Message authentication code  - RRC Message sequence number  Failure cause	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message The presence of this IE is dependent on IEXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Refer to test requirement

Contents of CELL UPDATE message: TM

Information Element	Value/remark
Message Type U-RNTI - SRNC identity - S-RNTI RRC transaction identifier Integrity check info  - Message authentication code  - RRC Message sequence number  START List - CN domain identity - START AM_RLC error indication (RB2, RB3 or RB4) AM_RLC error indication (RB>4) Cell update cause Failure cause RB timer indicator - T314 expired - T315 expired Measured results on RACH	Checked to see if it is set to the following values 0000 0000 0001B 0000 0000 0000 0000 0001B Checked to see if it is absent The presence of this IE is dependent on IEXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 the 'CN domain identity' and 'START' IEs are present for all CN domains supported by the UE Checked to see if it is one of the supported CN domains Checked to see if it is present Checked to see if it is set to 'FALSE' Checked to see if it is set to 'FALSE' See the test content Checked to see if it is absent  Checked to see if it is set to 'FALSE' Checked to see if it is set to 'FALSE' 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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 – 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	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	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 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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
Message Type	
Integrity check info	<p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p>
- Message authentication code	<p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</p>
- RRC Message sequence number	<p>This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.</p>
CN domain identity	<p>Checked to see if set to supported CN domain as specified in the IXIT statements.</p>
Intra Domain NAS Node Selector	R99
- CHOICE version	GSM-MAP
- CHOICE CN type	Local (P)TMSI
- CHOICE Routing basis	<p>If the IE "CN domain identity" is equal to "CS domain", this bit string is set to to bits b14 through b23 of the TMSI.</p>
- Routing parameter	<p>If the IE "CN domain identity" is equal to "PS domain", this bit string is set to to bits b14 through b23 of the P-TMSI.</p>
- Entered parameter	The TMSI/ P-TMSI bits are numbered from b0 to b31, with bit b0 being the least significant.
NAS message	FALSE
START	Set according to that indicated in specific message content for each test case
Measured results on RACH	Not checked
	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	The presence of this IE is dependent on IXIT statements
Integrity check info	in TS 34.123-2. If integrity protection is indicated to be
- Message authentication code	active, this IE is present with the values of the sub IEs as
- RRC message sequence number	stated below. Else, this IE and the sub-IEs are omitted.
Measurement Identity	SS calculates the value of MAC-I for this message and
Measurement Command	writes to this IE.
Measurement Reporting Mode	SS provides the value of this IE, from its internal counter.
- Measurement Report Transfer Mode	1
- Periodical Reporting/Event Trigger Reporting Mode	Setup
Additional measurement list	Acknowledged mode RLC
CHOICE Measurement type	Periodical reporting
- Intra-frequency measurement	Not Present
- Intra-frequency cell info list	Intra-frequency measurement
- CHOICE intra-frequency cell removal	Not present
- New intra-frequency cell	1
- Intra-frequency cell-id	0dB
- Cell info	Not Present
- Cell individual offset	FALSE
- Reference time difference to cell	FDD
- Read SFN number	Different from the Default setting in TS34.108 clause 6.1
- CHOICE mode	(FDD)
- Primary CPICH info	Not Present
- Primary scrambling code	FALSE
- Primary CPICH Tx power	FALSE
- TX Diversity indicator	Not present
- Cells for measurement	Not Present
- Intra-frequency measurement quantity	No report
- Intra-frequency reporting quantity	FALSE
- Reporting quantities for active set cells	TRUE
<del>- SFN-SFN observed time difference reporting indicator</del>	FALSE
- Cell synchronisation information reporting indicator	TRUE
- Cell Identity reporting indicator	FALSE
- CPICH Ec/N0 reporting indicator	TRUE
- CPICH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	No report
- Reporting quantities for monitored set cells	FALSE
<del>- SFN-SFN observed time difference reporting indicator</del>	TRUE
- 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	Report cell within active set and/or monitored cells on
- CHOICE reported cell	used frequency
- Maximum number of reported cells	2
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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
- SFN-SFN observed time difference	Checked that this IE is absent
- 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/NO	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

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	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 (Packet in 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 PAGING TYPE 1 message: TM (SMS in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the TEST USIM card
BCCH modification info	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 The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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
Message Type	A1, A2, A3, A4, A5, A6	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info		SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code		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	A1, A2, A3, A4, A5, A6	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time		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
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
Frequency info		Reference to clause 5.1 Test frequencies
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		33dBm
Maximum allowed UL TX power		
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		-6dB
- DPCH power offset		1 frame
- PC Preamble		7 frames
- SRB delay		Algorithm1
- Power Control Algorithm		1dB
- TPC step size		Long
- Scrambling code type		0 (0 to 16777215)
- Scrambling code number		Not Present(1)
- Number of DPDCH		Reference to TS34.108 clause 6.10
- spreading factor		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
- Number of FBI bit		Parameter Set
- Puncturing Limit		Reference to TS34.108 clause 6.10
		Parameter Set
CHOICE Mode	A1, A2, A3, A4, A5, A6	FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1, A2, A3	Maintain
- Downlink DPCH info common for all RL		Not Present
- Timing indicator		
- CFN-targetSFN frame offset		
- Downlink DPCH power control information		
- DPC mode		0 (single)

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CHOICE mode</li> <li>- Power offset <math>P_{Pilot-DPDCH}</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>		<p>FDD</p> <p>0</p> <p>Not Present</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>Not Present</p> <p>None</p> <p>Not Present</p> <p>Not Present</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 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-DPDCH}</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	<p>Initialise</p> <p>Not Present</p> <p>0 (single)</p> <p>FDD</p> <p>0</p> <p>Not Present</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>Not Present</p> <p>None</p> <p>Not Present</p> <p>Arbitrary set to value 0..306688 by step of 512</p>
<p>Downlink information common for all radio links</p>	A5, A6	Not Present
<p>Downlink information for each radio links</p> <ul style="list-style-type: none"> <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</li> <li>- CHOICE mode</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, A4	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</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 mod 38400</p> <p>0</p> <p>Not Present</p> <p>5</p> <p>Reference to TS34.108 clause 6.10</p> <p>Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause</p>



Information Element	Condition	Value/remark
- PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH Information for FACH		6.1 (FDD) Not Present Not Present Not Present 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 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The UE shall include this IE if the following two conditions are fulfilled: (a) The PHYSICAL CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The PHYSICAL CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub-IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub-IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code	
- 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
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- 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

Information Element	Value/remark
- 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	11
- RB identity	Not Present
- PDCP info	RLC info
- CHOICE RLC info type	TM RLC
- CHOICE Uplink RLC mode	Not Present
- Transmission RLC discard	FALSE
- Segmentation indication	TM RLC
- CHOICE Downlink RLC mode	FALSE
- Segmentation indication	
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	2
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	6
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	7
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	12
- RB identity	Not Present
- PDCP info	RLC info
- CHOICE RLC info type	TM RLC
- CHOICE Uplink RLC mode	Not Present
- Transmission RLC discard	FALSE
- Segmentation indication	TM RLC
- CHOICE Downlink RLC mode	FALSE
- Segmentation indication	
- RB mapping info	Not Present
- Information for each multiplexing option	1
- RLC logical channel mapping indicator	DCH
- Number of uplink RLC logical channels	3
- Uplink transport channel type	Not Present
- UL Transport channel identity	Configured
- Logical channel identity	6
- CHOICE RLC size list	
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	8
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not 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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4

Information Element	Value/remark
<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> <li>Deleted TrCH information list</li> <li>Added or Reconfigured TrCH information list</li> <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> </ul> </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>- 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>- 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>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 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>Not Present</p> <p>3 DCHs added, 1 DCH reconfigured</p> <p>DCH</p> <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</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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</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 (This IE is repeated for TFI number.)</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>

Information Element	Value/remark
<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>- 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                      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</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                      FDD</p>
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for DRAC</li> </ul>	<p>Not Present                      Not Present</p>
<p>list</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 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> <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>	<p>DCH                      6                      Same as UL                      DCH                      1</p>
<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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul>	<p>-2.0                      DCH                      7                      Same as UL                      DCH                      2</p>
<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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul>	<p>Not Present                      DCH                      8                      Same as UL                      DCH                      3</p>
<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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> </ul>	<p>Not Present                      DCH                      10                      Same as UL                      DCH                      5</p>
<ul style="list-style-type: none"> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>	<p>-2.0                      Not Present</p>
<p>Frequency info</p>	<p>Not Present</p>
<p>Maximum allowed UL TX power</p>	<p>33dBm</p>
<p>CHOICE channel requirement</p>	<p>Uplink DPCH info</p>
<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> </ul>	<p>-6dB                      1 frame                      7 frames</p>

Information Element	Value/remark
<ul style="list-style-type: none"> <li>- Power Control Algorithm</li> <li>- TPC step size</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>Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>
CHOICE Mode	FDD
<ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	Not Present
Downlink information common for all radio links	
<ul style="list-style-type: none"> <li>- Downlink DPCH info common for all RL</li> </ul>	
<ul style="list-style-type: none"> <li>- Timing indicator</li> </ul>	Maintain
<ul style="list-style-type: none"> <li>- CFN-targetSFN frame offset</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Downlink DPCH power control information</li> </ul>	
<ul style="list-style-type: none"> <li>- DPC mode</li> </ul>	0 (single)
<ul style="list-style-type: none"> <li>- CHOICE mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>- Power offset <math>P_{Pilot-DPDCH}</math></li> </ul>	0
<ul style="list-style-type: none"> <li>- DL rate matching restriction information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Spreading factor</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Fixed or Flexible Position</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- TFCI existence</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- CHOICE SF</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- DPCH compressed mode info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- TX Diversity mode</li> </ul>	None
<ul style="list-style-type: none"> <li>- SSDT information</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Default DPCH Offset Value</li> </ul>	Not Present
Downlink information for each radio link list	
<ul style="list-style-type: none"> <li>- Downlink information for each radio link</li> </ul>	
<ul style="list-style-type: none"> <li>- Choice mode</li> </ul>	FDD
<ul style="list-style-type: none"> <li>- Primary CPICH info</li> </ul>	Reference to clause 6.1 "Default settings (FDD)"
<ul style="list-style-type: none"> <li>- Primary scrambling code</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- PDSCH code mapping</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Downlink DPCH info for each RL</li> </ul>	
<ul style="list-style-type: none"> <li>- Primary CPICH usage for channel estimation</li> </ul>	Primary CPICH may be used
<ul style="list-style-type: none"> <li>- DPCH frame offset</li> </ul>	0 chips
<ul style="list-style-type: none"> <li>- Secondary CPICH info</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- DL channelisation code</li> </ul>	1
<ul style="list-style-type: none"> <li>- Secondary scrambling code</li> </ul>	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> <li>- Spreading factor</li> </ul>	0
<ul style="list-style-type: none"> <li>- Code number</li> </ul>	No change
<ul style="list-style-type: none"> <li>- Scrambling code change</li> </ul>	0
<ul style="list-style-type: none"> <li>- TPC combination index</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- SSDT Cell Identity</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- Closed loop timing adjustment mode</li> </ul>	Not Present
<ul style="list-style-type: none"> <li>- SCCPCH information for FACH</li> </ul>	Not Present

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

Information Element	Value/remark
Message Type	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	The presence of this IE is dependent on IXIT statements
Integrity check info	in TS 34.123-2. If integrity protection is indicated to be
- message authentication code	active, this IE is present with the values of the sub IEs as
- RRC message sequence number	stated below. Else, this IE and the sub-IEs are omitted.
Integrity protection mode info	SS calculates the value of MAC-I for this message and
Ciphering mode info	writes to this IE.
Activation time	SS provides the value of this IE, from its internal counter.
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	
- RAB info	
- RAB identity	0000 0101B
- 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	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present

Information Element	Value/remark
- CHOICE RLC size list	Configured
- MAC logical channel priority	8
- 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	1
- Number of downlink RLC logical channels	FACH
- Downlink transport channel type	Not Present
- 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	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	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor $\beta_c$	11 (below 64 kbps)
- Gain factor $\beta_d$	9 (higher than 64 kbps)
- Reference TFC ID	(Not Present if the above is set to Computed Gain Factors)
- CHOICE mode	15
- Power offset P <sub>p-m</sub>	(Not Present if the above is set to Computed Gain Factors)
Deleted TrCH information list	0
Added or Reconfigured TrCH information list	FDD
- Added or Reconfigured UL TrCH information	Not Present
- Uplink transport channel type	Not Present
- UL Transport channel identity	1 DCH added, 1 DCH reconfigured
- TFS	DCH
- CHOICE Transport channel type	1
- Dynamic Transport format information	Dedicated transport channels
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- 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



Information Element	Value/remark
<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>- 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                      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</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                      FDD</p>
<p>CHOICE mode</p> <ul style="list-style-type: none"> <li>- CPCH set ID</li> <li>- Added or Reconfigured TrCH information for</li> </ul>	<p>Not Present                      Not Present</p>
<p>DRAC list</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> </ul>	<p>Not Present                      FDD                      Explicit</p> <p>Normal</p> <p>Complete reconfiguration</p>
<ul style="list-style-type: none"> <li>- CTFC</li> <li>- Power offset information</li> </ul> <p>Deleted TrCH information list</p>	<p>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                      Not Present</p>
<p>Added or Reconfigured 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>- 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>- 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>- Uplink transport channel type</li> <li>- UL TrCH identity</li> <li>- DCH quality target</li> </ul>	<p>DCH                      6                      Explicit</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</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>-2.0                      DCH                      10                      Same as UL                      DCH                      5</p>

Information Element	Value/remark
- BLER Quality value	-2.0
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	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	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset $P_{Pilot-DPCH}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSdT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	FDD
- Primary CPICH info	Reference to clause 6.1 "Default settings (FDD)"
- Primary scrambling code	Not Present
- 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	0 chips
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
- Scrambling code change	No change
- TPC combination index	0
- SSdT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

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

Information Element	Condition	Value/remark
Message Type	A1, A4, A5, A6, A7, A8	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
Integrity check info		SS calculates the value of MAC-I for this message and writes to this IE.
- message authentication code		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	A1, <del>A4</del> , A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	<del>A4</del> , A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A4, A7, A8	Not Present
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1, A4, A7, A8	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A4, A5, A6, A7, A8	Not Present
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup	A1, A7	
- RAB info		0000 0001B
- RAB identity		CS domain
- CN domain identity		Not Present
- NAS Synchronization Indicator		useT314
- Re-establishment timer		
- 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
RAB information for setup	A8	
- RAB info		0000 0001B
- RAB identity		

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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> <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> </ul>		<ul style="list-style-type: none"> <li>CS domain</li> <li>Not Present</li> <li>useT315</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>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> </ul>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 DCH 8 Not Present Not Present
RAB information for setup <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                             <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> <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> <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> <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</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>- RLC size index</li> </ul> </li> </ul> </li> </ul>	A4, A5, A6	(AM DTCH for PS domain) 0000 0101B PS domain Not Present useT315  20  FALSE Not present Absent Not present RLC info AM RLC  No Discard 15 128 500 4  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 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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>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>Downlink counter synchronisation info</p>	<p>A1, A4, A5, A6,A7,A8</p> <p>A1, A4, A5, A6,A7,A8</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> </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> <p>- Reference TFC ID</p> <p>- CHOICE mode</p> <p>- Power offset <math>P_{p-m}</math></p> <p>Deleted UL TrCH information</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> </ul> <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> </ul> <ul style="list-style-type: none"> <li>- CHOICE Logical Channel list</li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> </ul> <ul style="list-style-type: none"> <li>- Type of channel coding</li> </ul> <ul style="list-style-type: none"> <li>- Coding Rate</li> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>	<p>A1,A4,A5, A6,A7,A8</p> <p>A1, A4, A5, A6,A7,A8</p> <p>A1</p>	<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) (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> <p>Not Present</p> <p>1 DCH added, 1 DCH reconfigured</p> <p>DCH</p> <p>1</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.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p>

Information Element	Condition	Value/remark
<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>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 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>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> </ul>	<p>A4,A5,A6, A7</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH)</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>Reference to TS34.108 clause 6.10 Parameter Set</p> <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 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>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>		Set Reference to TS34.108 clause 6.10 Parameter Set Set Reference to TS34.108 clause 6.10 Parameter Set 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> <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> </ul>	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 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 DCH 1  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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 DCH 2  Dedicated transport channels  Reference to TS34.108 clause 6.10 Parameter Set 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



Information Element	Condition	Value/remark
<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> </ul>		<p>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 Reference to TS34.108 clause 6.10 Parameter Set Set 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 Reference to TS34.108 clause 6.10 Parameter Set Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter 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 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, A4, A5, A6,A7,A8</p>	<p>FDD</p> <p>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>A1,A7,A8</p>	<p>Not Present FDD SameasUL</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>A4,A5,A6</p>	<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>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> </ul>	<p>A1, A4, A5, A6,A7,A8 A1</p>	<p>Not Present</p> <p>1 DCH added, 1 DCH reconfigured DCH 6 Same as UL</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		DCH 1  -2.0 DCH 10 Same as UL DCH 5  -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>- 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,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  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>- 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> </ul>	A8	4 TrCHs(DCH for DCCH and 3DCHs 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

Information Element	Condition	Value/remark
<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>- 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>- 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>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>-2.0</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>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>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>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</p> <p>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>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Set</p> <p>Not Present</p>
Frequency info	A1, A4, A5,	

Information Element	Condition	Value/remark
- UARFCN uplink (Nu) - UARFCN downlink (Nd)	A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement  - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor  - TFCI existence  - Number of FBI bit  - Puncturing Limit	A1, A4, A7, A8	Uplink DPCH info  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode  - Downlink PDSCH information	A1, A4, A5, A6,A7,A8	FDD  Not Present
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 $P_{Pilot-DPDCH}$ - 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	A1	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 FDD Not Present None Not Present Not Present
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 $P_{Pilot-DPDCH}$ - DL rate matching restriction information - Spreading factor  - Fixed or Flexible Position  - TFCI existence  - CHOICE SF	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 Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
<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>		Set FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information common for all radio links	A5,A6	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> </ul> <ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</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> </ul> <ul style="list-style-type: none"> <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	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used 0 chips Not Present  1 Reference to TS34.108 clause 6.10 Parameter Set 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> </ul> <ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</li> <li>- Downlink DPCH info for each RL</li> <li>- Primary CPICH usage for channel estimation</li> <li>- DPCH frame offset</li> </ul> <ul style="list-style-type: none"> <li>- Secondary CPICH info</li> <li>- DL channelisation code</li> <li>- Secondary scrambling code</li> <li>- Spreading factor</li> </ul> <ul style="list-style-type: none"> <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,A7,A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used Set to value : Default DPCH Offset Value mod 38400 Not Present  1 Reference to TS34.108 clause 6.10 Parameter Set 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> </ul> <ul style="list-style-type: none"> <li>- PDSCH with SHO DCH info</li> <li>- PDSCH code mapping</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 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> </ul>	A6	FDD  Different from the Default setting in TS34.108

Information Element	Condition	Value/remark
- PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH		clause 6.1 (FDD) Not Present Not Present Not present Not Present

Condition	Explanation
A1 A2 is defined in message "RADIO BEARER SETUP message: AM or UM (Speech in CS)". A3 is defined in message "RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)".	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS" This IE need for "Speech to CELL_DCH from CELL_DCH in CS"  This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4 A5 A6 A7 A8	This IE need for "Packet to CELL_DCH from CELL_FACH in PS" This IE need for "Packet to CELL_FACH from CELL_DCH in PS" This IE need for "Packet to CELL_FACH from CELL_FACH in PS" This IE need for "Non speech to CELL_DCH from CELL_FACH in CS" This IE need for "Speech to CELL_DCH from CELL_FACH in CS"

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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 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 or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent. 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. Not checked
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## 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 RADIO BEARER SETUP message.
Integrity check info  - Message authentication code  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub-IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
Failure cause Radio bearers for which reconfiguration would have succeeded	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
Message Type	A1,A2,A3, A4,A5,A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, <del>A4</del>	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	<del>A4</del> , 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
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
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
- 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		



Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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 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
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> </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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		<p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for RRC)</p> <p>2</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT High priority)</p> <p>3</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DCCH for NAS_DT Low priority)</p> <p>4</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>(AM DTCH)</p> <p>20</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>
<p>RB information to be affected</p>	<p>A1, A2, A3,A4,A5, A6</p>	<p>Not Present</p>
<p>UL Transport channel information for all transport channels</p>	<p>A1, A2, A5,A6</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>   <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> </ul>	<p>A3, A4</p>	<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 <a href="#">ComputedGain Factors</a>)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to <a href="#">ComputedGain Factors</a>)</p> <p>0</p> <p>FDD</p>

Information Element	Condition	Value/remark
- Power offset P <sub>p-m</sub>		Not Present
Deleted UL TrCH information	A1, A2, A3, A4, A5, A6	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5, A6 A4	Not Present
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		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 - 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	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 Parameter Set All  Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
<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> </ul>		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 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> </li> <li>- CTFC information</li> <li> </li> <li>- CTFC</li> <li> </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> </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> </li> <li>- Semi-static Transport Format information</li> <li>- Transmission time interval</li> <li> </li> <li>- Type of channel coding</li> <li> </li> <li>- Coding Rate</li> <li> </li> <li>- Rate matching attribute</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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- CRC size</li> <li>- DCH quality target</li> <li>- BLER Quality value</li> </ul>		Set Reference to TS34.108 clause 6.10 Parameter Set 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
Frequency info <ul style="list-style-type: none"> <li>- UARFCN uplink (Nu)</li> <li>- UARFCN downlink (Nd)</li> </ul>	A1,A2,A3, A4,A5,A6	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
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>- 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 -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE channel requirement	A5, A6	Not Present
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD Not Present
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> </ul>	A1, A2, A3	Maintain Not Present

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>		<p>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</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 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	<p>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 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</p>
<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>- 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>	A1, A2, A3	<p>FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  Primary CPICH may be used 0 chips Not Present  2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present 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 <ul style="list-style-type: none"> <li>- Choice mode</li> <li>- Primary CPICH info</li> </ul> </li> </ul>	A4	FDD

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <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>- 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>- SSTD Cell Identity</li> <li>- Closed loop timing adjustment mode</li> <li>- SCCPCH information for FACH</li> </ul>		Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present  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
<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>- SCCPCH Information for FACH</li> </ul>	A5	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present
<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>- Secondary CCPCH info</li> </ul>	A6	FDD  Different from the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not Present 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	Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 List	Not checked

Contents of RADIO BEARER 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 RADIO BEARER RECONFIGURATION COMPLETE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	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 reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked



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

Information Element		Value/remark
Message Type	A1, A2, A3, A4, A5, A6, A7, A8	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. 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.
- 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, <del>A4</del> , A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	<del>A4</del> , A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1,A2,A3, A4	Not Present
New C-RNTI	A5, A6, A7, A8	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1,A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6, A7, A8	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
CN information info		Not Present
Signalling Connection release indication		Not Present
URA identity		Not Present
RAB information to reconfigure list		Not Present
RB information to release	A1,A2, A7, A8	
- RB identity		10
RB information to release	A2, A8	
- RB identity		11
RB information to release	A2, A8	
- RB identity		12
RB information to release	A3, A4, A5, A6	
- RB identity		20
RB information to be affected	A1,A2, A3,A4,A5, A6, A7, A8	Not Present
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
UL Transport channel information for all transport channels	A1, A2, A3, A4	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1,A2, A3, A5, A7, A8	
- Uplink transport channel type		DCH
- Transport channel identity		1
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type		DCH

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

Information Element		Value/remark
CHOICE channel requirement <ul style="list-style-type: none"> <li>- Uplink DPCH power control info</li> <li>- DPCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</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>	A8 A1,A2,A3, A4	Uplink DPCH info <ul style="list-style-type: none"> <li>-6dB</li> <li>1 frame</li> <li>7 frames</li> <li>Algorithm1</li> <li>1dB</li> <li>Long</li> <li>0 (0 to 16777215)</li> <li>Not Present(1)</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> </ul>
CHOICE Mode <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6, A7, A8	FDD  Not Present
Downlink information common for all radio links	A5, A6, A7, A8	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 <ul style="list-style-type: none"> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> <li>Not Present</li> </ul>
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> </ul>	A4	Initialise Not Present <ul style="list-style-type: none"> <li>0 (single)</li> <li>FDD</li> <li>0</li> <li>Not Present</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Reference to TS34.108 clause 6.10 Parameter Set</li> <li>Not Present</li> <li>None</li> <li>Not Present</li> </ul>

Information Element		Value/remark
- Default DPCH Offset Value		Arbitrary set to value 0..306688 by step of 512
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 - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  Primary CPICH may be used 0 chips Not Present  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 - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset  - Secondary CPICH info - Secondary scrambling code - channelisation code - 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  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
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code  - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH	A5, A7, A8	FDD  Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present
- Downlink information for each radio link	A6	Not Present

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

Contents of RADIO BEARER RELEASE 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 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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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 The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER RELEASE message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER RELEASE message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. 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
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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. The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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
Message Type Initial UE identity - CHOICE UE id type - TMSI and LAI (GSM-MAP) Establishment cause Protocol error indicator Measured results on RACH	Set to the UE's TMSI and LAI. To be checked against requirement if specified FALSE To be checked against requirement if specified

Contents of RRC CONNECTION REJECT message: UM

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

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type U-RNTI - SRNC identity - S-RNTI RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number N308 Release cause Rplmn information	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 0000 0000 0000 0000 0001B Arbitrarily selects an integer between 0 and 3 The presence of this IE depends on 2 factors: (a) Ixit statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) 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. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event 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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. Checked to see if it's identical to the value of XMAC-I calculated by the SS 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
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
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	128
- Timer_RST	500
- Max_RST	4



Information Element	Value/remark
- 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	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- 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	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_Window	99
- Timer_poll_periodic	Not Present

Information Element	Value/remark
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (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	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_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 Element	Value/remark
<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</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>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                      According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)                      4                        1                      FACH                      Not Present                      Not Present                      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                      FDD                      Not Present                        Normal                        Addition                        2bit CTFC                      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)                      According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)                        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</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> <li>- Transmission Time Interval</li> </ul>	<p>DCH                      5                        Dedicated transport channels                        According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)                      (This IE is repeated for TFI number)                      According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</p>

Information Element	Value/remark
- 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	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- Spreading factor	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
- TX Diversity mode	None
- SSdT information	Not Present

Information Element	Value/remark
- 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
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
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
- 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

Information Element	Value/remark
- 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	1
- 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	No Discard
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	200
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	200
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 RBmuxOptions
- 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	1
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	2
- Downlink RLC logical channel info	1
- 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

Information Element	Value/remark
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBmuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	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 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500

Information Element	Value/remark
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport channels	
- 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	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled Gain Factors)



Information Element	Value/remark
- Gain factor $\beta_c$	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor $\beta_d$	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink Transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

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

## Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type Integrity check info  - Message authentication code  - RRC Message sequence number  Identification of received message Protocol error information - Protocol error cause	<p>The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.</p> <p>This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.</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>Not Checked</p> <p>Refer to test requirement.</p>

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	RRC transaction identifier
Integrity check info	Arbitrarily selects an integer between 0 and 3
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	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.
- UEA0	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.
- UEA1	Spare 2-15 = FALSE
- Spare	0000000000000010B (UIA1)
- Integrity protection algorithm capability	TRUE
- UIA1	Spare 0 and Spare 2-15 = FALSE
- Spare	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

Contents of SECURITY MODE 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 Radio bearer uplink ciphering activation time info	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. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Not checked. 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  Integrity check info  - Message authentication code  - RRC Message sequence number  Failure cause	Checked to see if the value is the identical to the same IE in the downlink SECURITY MODE COMMAND message. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Refer to test requirement.

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	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  Activation time New U-RNTI New C-RNTI	A1, A2, A3, A4, A5, A6            A1, A2, A3, A4, A5, A6  A1, A2, A3, A4	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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

Information Element	Condition	Value/remark
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
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 <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 <math>P_{p-m}</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 <a href="#">Computed</a> Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to <a href="#">Computed</a> Gain Factors) 0 FDD Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
<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 Set All</p> <p>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 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 Set All</p> <p>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</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 Set All</p> <p>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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> <li>- Rate matching attribute</li> <li>- CRC size</li> </ul>		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE <i>mode</i> <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
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present





Information Element	Condition	Value/remark
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>- DPCH power offset</li> <li>- PC Preamble</li> <li>- SRB delay</li> <li>- Power Control Algorithm</li> <li>- TPC step size</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  -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	
CHOICE Mode  <ul style="list-style-type: none"> <li>- Downlink PDSCH information</li> </ul>	A1,A2,A3, A4,A5,A6	FDD  Not Present
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
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 Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information for each radio link list	A1, A2, A3	

Information Element	Condition	Value/remark
<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>- 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-DPCH}</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>		<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used</p> <p>0 chips</p> <p>0</p> <p>Not Present</p> <p>4</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</p>
<p>Downlink information for each radio link list</p> <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>- 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-DPCH}</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	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Primary CPICH may be used</p> <p>Set to value: Default DPCH Offset Value mod 38400</p> <p>0</p> <p>Not Present</p> <p>4</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>0</p> <p>No change</p> <p>0</p> <p>Not Present</p> <p>Not Present</p> <p>Not Present</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>- SCCPCH information for FACH</li> </ul>	A5	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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>- SCCPCH information for FACH</li> </ul>	A6	<p>FDD</p> <p>Different from the Default setting in TS34.108 clause 6.1 (FDD)</p> <p>Not Present</p> <p>Not Present</p> <p>Not present</p> <p>Not Present</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

Information Element	Value/remark
Message Type	Checked to see if the value is identical to the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on IXT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	The UE shall include this IE if the following two conditions are fulfilled: (a) The TRANSPORT CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The TRANSPORT CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
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	Checked to see if it is set to identical value of the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message.
RRC transaction identifier	
Integrity check info	The presence if this IE is dependent on IXT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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 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 The presence of this IE is dependent on I <sub>X</sub> IT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. FDD  Allowed transport format combination list 0 (The TFC is constructed from ALL TF0) Not Present Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

Information Element	Value/remark
Message Type RRC transaction identifier Integrity check info  - Message authentication code  - RRC Message sequence number Capability update requirement - UE radio access FDD capability update requirement - UE radio access TDD capability update requirement - System specific capability update requirement list	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on I <sub>X</sub> IT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter.  TRUE FALSE 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 - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. 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  - 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	Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
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 - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- 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.
- 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	
- SRNC identity	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- S-RNTI	0000 0000 0001B
RRC transaction identifier	0000 0000 0000 0000 0001B
Integrity check info	Arbitrarily selects and integer between 0 and 3
- message authentication code	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- 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	See the test content
Downlink counter synchronisation info	Not Present

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be 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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE.
Integrity check info	
- message authentication code	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	Not Present
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  - RRC Message sequence number	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.  This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.  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 COUNT-C activation time	Not checked  The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM, (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Not checked Not checked



3GPP TSG- T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1-020798

3GPP TSG- T1 SIG Meeting #26  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1S-020771

CR-Form-v7	
<b>CHANGE REQUEST</b>	
⌘	<b>34.108 CR 161</b>
⌘ rev	-
⌘	Current version: <b>3.9.0</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 SIB1 to SIB6
<b>Source:</b>	⌘	Ericsson
<b>Work item code:</b>	⌘	-
	<b>Date:</b>	⌘ 7/11/2002
<b>Category:</b>	⌘	<b>F</b>
	<b>Release:</b>	⌘ R99
		<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>
		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. Correction to SIB1 to SIB6 (FDD) 2. IEs with same value as default values should be omitted
<b>Summary of change:</b>	⌘	1. 6.1.0b, SIB1 to SIB2: editorial correction 2. 6.1.0b, SIB3 FDD and TDD: a. "Cell_selection_and_reselection_quality_measure" changed to "Cell selection and reselection quality measure" 3. 6.1.0b, SIB4 (FDD): a. "Cell_selection_and_reselection_quality_measure" changed to "Cell selection and reselection quality measure" b. Removed redundant "Access Class Barred" IE 4. 6.1.0b, SIB4 (FDD): a. "Cell_selection_and_reselection_quality_measure" changed to "Cell selection and reselection quality measure" 5. 6.1.0b, SIB5 (FDD): a. Correction made to IE "CHOICE TFCI signalling", parameter should be "CHOICE TFCI signalling" and value "Normal" (TS 25.331, 10.3.5.20) b. Added missing "CHOICE mode FDD" c. Corrected name of IE "Primary CPICH TX power" (TS 25.331 10.3.6.55) d. IEs having value equal to default values as specified in 25.331 should

<p>not be present. Thus is IEs "TFCl existence", "Fixed or Flexible position" and "Timing offset" marked as "Not present"</p> <p>e. Corrected of name for IE "TFCS complete reconfiguration information" made (TS 25.331 10.3.5.15)</p> <p>f. Removed redundant "CHOICE mode FDD"</p> <p>6. 6.1.0b, SIB5 (TDD): Not checked</p> <p>7. 6.1.0b, SIB6 (FDD):</p> <p>a. IEs "PRACH system information list" and "Secondary CCPCH system info" in SIB6 have been marked as Not Present as the IEs are optional and have the same values as for corresponding IEs in SIB5.</p>
<p><b>Consequences if not approved:</b> ☼ Incorrect system information</p>

<p><b>Clauses affected:</b> ☼ 6.1.0b</p>									
<table border="1"> <tr> <td><b>Y</b></td> <td><b>N</b></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	<b>Y</b>	<b>N</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<p><b>Other specs affected:</b> ☼ Other core specifications ☼</p> <p>Test specifications</p> <p>O&amp;M Specifications</p>
<b>Y</b>	<b>N</b>								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<p><b>Other comments:</b> ☼</p>									

**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)

- CN common GSM-MAP NAS system information	
- GSM-MAP NAS system information	00 80H
- 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 00H
- 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	1E 01H
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in idle mode	
-T300	4000 milliseconds
-N300	7
-T312	10 seconds
- N312	1
- UE Timers and constants in connected mode	
- T301	Not Present (2000 milliseconds: default value)
- N301	Not Present (2: default value)
- T302	Not Present (4000 milliseconds: default value)
- N302	Not Present (3: default value)
- T304	Not Present (2000 milliseconds: default value)
- N304	Not Present (2: default value)
- T305	Not Present (30 minutes: default value)
- T307	Not Present (30 seconds: default value)
- T308	Not Present (160 milliseconds: default value)
- T309	Not Present (5 seconds: default value)
- T310	Not Present (160 milliseconds: default value)
- N310	Not Present (4: default value)
- T311	Not Present (2000 milliseconds: default value)
- T312	Not Present (1 seconds: default value)
- N312	Not Present (1: default value)
- T313	Not Present (3 seconds: default value)
- N313	Not Present (20: default value)
- T314	Not Present (12 seconds: default value)
- T315	Not Present (180 seconds: default value)
- N315	Not Present (1: default value)
- T316	Not Present (30 seconds: default value)
- T317	Not Present (180 seconds: default value)

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
- <a href="#">Cell selection and reselection quality measure</a> <del>Cell selection_and_reselection_quality_measure</del>	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 (TDD)

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- <a href="#">Cell selection and reselection quality measure</a>	(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
- <a href="#">Cell selection and reselection quality measure</a> <del>Cell_selection_and_reselection_quality_measure</del>	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,Search</sub> RAT	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
- <del>Access Class Barred</del>	<del>Not barred</del>
- 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) (TDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- <a href="#">Cell selection and reselection quality measure</a> <del>Cell_selection_and_reselection_quality_measure</del>	(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,Search</sub> RAT	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	½
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- <a href="#">CHOICE TFCI signalling</a> <del>Normal</del>	<a href="#">Normal</a>
- 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
- <a href="#">CHOICE mode</a>	<a href="#">FDD</a>
- Gain factor βc	11
- Gain factor βd	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
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD

- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	
- 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 <del>DL</del> -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	Not Present
- Fixed or Flexible position	<a href="#">Absence of this IE is equivalent to default value "TRUE"</a> Not Present
- Timing offset	<a href="#">Absence of this IE is equivalent to default value "Flexible"</a> Not Present
- TFCS	<a href="#">Absence of this IE is equivalent to default value 0</a>
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete <a href="#">reconfiguration</a> 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	
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
<del>- CHOICE Mode</del>	<del>FDD</del>
- 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
<del>- CHOICE Mode</del>	<del>FDD</del>
- 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
<del>- CHOICE Mode</del>	<del>FDD</del>
- 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	
<del>- CHOICE mode</del>	<del>FDD</del>
- 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 (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
- Alpha	(1/8)
- PRACH Constant Value	-10
- DPCH Constant Value	-10
- PUSCH Constant Value	-10
- Primary CCPCH info	
- CHOICE <i>mode</i>	TDD
- 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
- 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
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1

- Available Subchannels	Null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- 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
- 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 <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	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	
- Timeslot number	1
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- CHOICE Burst Type	Type 1
- Midamble Allocation Mode	Default midamble
- Midamble configuration burst type 1 and	4
3 - Midamble Shift	Not Present
- Code List	
- Channelisation Code	Reference clause 6.10 Parameter Set
- 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
- 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 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	<u>Not present</u>
<del>- PRACH system information</del>	
<del>- PRACH info</del>	
<del>- CHOICE mode</del>	<del>FDD</del>
<del>- Available Signature</del>	<del>'0000-0000-1111-1111'B</del>
<del>- Available SF</del>	<del>64</del>
<del>- Preamble scrambling code number</del>	<del>0</del>
<del>- Puncturing Limit</del>	<del>1.00</del>
<del>- Available Sub-Channel number</del>	<del>'1111-1111-1111'B</del>
<del>- Transport Channel Identity</del>	<del>15</del>
<del>- RACH TFS</del>	
<del>- CHOICE Transport channel type</del>	<del>Common transport channels</del>
<del>- Dynamic Transport format information</del>	
<del>- RLC size</del>	<del>168</del>
<del>- Number of TB and TTI List</del>	
<del>- Number of Transport blocks</del>	<del>1</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- CHOICE Logical Channel List</del>	<del>Configured</del>
<del>- RLC size</del>	<del>360</del>
<del>- Number of TB and TTI List</del>	
<del>- Number of Transport blocks</del>	<del>1</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- CHOICE Logical Channel List</del>	<del>Configured</del>
<del>- Semi-static Transport Format information</del>	
<del>- Transmission time interval</del>	<del>20 ms</del>
<del>- Type of channel coding</del>	<del>Convolutional</del>
<del>- Coding Rate</del>	<del>1/2</del>
<del>- Rate matching attribute</del>	<del>150</del>
<del>- CRC size</del>	<del>16</del>
<del>- RACH TFCS</del>	
<del>- Normal</del>	
<del>- TFCI Field 1 information</del>	
<del>- CHOICE TFCS representation</del>	<del>Complete reconfiguration</del>
<del>- TFCS addition information</del>	
<del>- CHOICE CTFC Size</del>	<del>2-bit</del>
<del>- CTFC information</del>	<del>0</del>
<del>- Power offset information</del>	
<del>- CHOICE Gain Factors</del>	<del>Computed Gain Factor</del>
<del>- Reference TFC ID</del>	<del>0</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- Power offset Pp-m</del>	<del>0 dB</del>
<del>- CTFC information</del>	<del>1</del>
<del>- Power offset information</del>	
<del>- CHOICE Gain Factors</del>	<del>Signalled Gain Factor</del>
<del>- Gain factor βe</del>	<del>11</del>
<del>- Gain factor βd</del>	<del>15</del>
<del>- Reference TFC ID</del>	<del>0</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- Power offset Pp-m</del>	<del>0 dB</del>
<del>- PRACH partitioning</del>	
<del>- Access Service Class</del>	
<del>- ASC Setting</del>	<del>Not Present</del>
<del>- ASC Setting</del>	
<del>- CHOICE mode</del>	<del>FDD</del>
<del>- Available signature Start Index</del>	<del>0 (ASC#1)</del>
<del>- Available signature End Index</del>	<del>7 (ASC#1)</del>
<del>- Assigned Sub-channel Number</del>	<del>'1111'B</del>
<del>- ASC Setting</del>	<del>Not Present</del>
<del>- ASC Setting</del>	
<del>- CHOICE mode</del>	<del>FDD</del>
<del>- Available signature Start Index</del>	<del>0 (ASC#3)</del>
<del>- Available signature End Index</del>	<del>7 (ASC#3)</del>
<del>- Assigned Sub-channel Number</del>	<del>'1111'B</del>

<del>ASC Setting</del>	Not Present
<del>ASC Setting</del>	
<del>CHOICE mode</del>	FDD
<del>Available signature Start Index</del>	0 (ASC#5)
<del>Available signature End Index</del>	7 (ASC#5)
<del>Assigned Sub-channel Number</del>	'1111'B
<del>ASC Setting</del>	Not Present
<del>ASC Setting</del>	
<del>CHOICE mode</del>	FDD
<del>Available signature Start Index</del>	0 (ASC#7)
<del>Available signature End Index</del>	7 (ASC#7)
<del>Assigned Sub-channel Number</del>	'1111'B
<del>Persistence scaling factor</del>	
<del>Persistence scaling factor</del>	0.9 (for ASC#2)
<del>Persistence scaling factor</del>	0.9 (for ASC#3)
<del>Persistence scaling factor</del>	0.9 (for ASC#4)
<del>Persistence scaling factor</del>	0.9 (for ASC#5)
<del>Persistence scaling factor</del>	0.9 (for ASC#6)
<del>Persistence scaling factor</del>	0.9 (for ASC#7)
<del>AC to ASC mapping</del>	Not Present
<del>Primary CPICH DL TX power</del>	31
<del>Constant value</del>	-10
<del>PRACH power offset</del>	
<del>Power Ramp Step</del>	3dB
<del>Preamble Retrans Max</del>	4
<del>RACH transmission parameters</del>	
<del>Mmax</del>	2
<del>NB01min</del>	3 slot
<del>NB01max</del>	10 slot
<del>AICH info</del>	
<del>Channelisation code</del>	3
<del>STTD indicator</del>	FALSE
<del>AICH transmission timing</del>	0
- Secondary CCPCH system info	<a href="#">Not Present</a>
<del>Secondary CCPCH info</del>	
<del>Secondary scrambling code</del>	Not Present
<del>STTD indicator</del>	FALSE
<del>Spreading factor</del>	64
<del>Code number</del>	1
<del>Pilot symbol existence</del>	FALSE
<del>TFCH existence</del>	TRUE
<del>Fixed or Flexible position</del>	Flexible
<del>Timing offset</del>	0
<del>TFCS</del>	(This IE is repeated for TFC number for PCH and FACH.)
<del>Normal</del>	
<del>TFCH Field 1 information</del>	
<del>CHOICE TFCS representation</del>	Complete reconfiguration
<del>TFCS addition information</del>	
<del>CHOICE CTFC Size</del>	4 bit
<del>CTFC information</del>	0
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	1
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	2
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	3
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	4
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	5
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	6
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	8
<del>Power offset information</del>	Not Present
<del>FACH/PCH information</del>	
<del>TFS</del>	(PCH)
<del>CHOICE Transport channel type</del>	Common transport channels
<del>Dynamic Transport format information</del>	

RLC Size	240 (PCCH)
Number of TB and TTI List	0
Number of Transport blocks	4
Number of Transport blocks	FDD
CHOICE Mode	ALL
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	0
Number of Transport blocks	4
Number of Transport blocks	2
Number of Transport blocks	FDD
CHOICE Mode	ALL
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	0
Number of Transport blocks	4
Number of Transport blocks	FDD
CHOICE Mode	ALL
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	
Channelisation code	2
Number of PI per frame	18
STTD indicator	FALSE
- CBS DRX Level 1 information	Not Present

<End modified section>

3GPP TSG- T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1-020799

3GPP TSG- T1 SIG Meeting #26  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> November 2002

Tdoc # T1S-020772

CR-Form-v7

## CHANGE REQUEST

⌘ **34.108 CR 162** ⌘ rev - ⌘ Current version: **4.4.0** ⌘

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 SIB1 to SIB6		
<b>Source:</b>	⌘ Ericsson		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 7/11/2002
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ REL-4
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>	⌘ 1. Correction to SIB1 to SIB6 (FDD) 2. IEs with same value as default values should be omitted
<b>Summary of change:</b>	⌘ 1. 6.1.0b, SIB1 to SIB2: editorial correction 2. 6.1.0b, SIB3 FDD and TDD: a. "Cell_selection_and_reselection_quality_measure" changed to "Cell selection and reselection quality measure" 3. 6.1.0b, SIB4 (FDD): a. "Cell_selection_and_reselection_quality_measure" changed to "Cell selection and reselection quality measure" b. Removed redundant "Access Class Barred" IE 4. 6.1.0b, SIB4 (FDD): a. "Cell_selection_and_reselection_quality_measure" changed to "Cell selection and reselection quality measure" 5. 6.1.0b, SIB5 (FDD): a. Correction made to IE "CHOICE TFCI signalling", parameter should be "CHOICE TFCI signalling" and value "Normal" (TS 25.331,



	<p>10.3.5.20)</p> <p>b. Added missing “CHOICE mode FDD”</p> <p>c. Corrected name of IE “Primary CPICH TX power” (TS 25.331 10.3.6.55)</p> <p>d. IEs having value equal to default values as specified in 25.331 should not be present. Thus is IEs “TFCI existence”, “Fixed or Flexible position” and “Timing offset” marked as “Not present”</p> <p>e. Corrected of name for IE “TFCS complete reconfiguration information” made (TS 25.331 10.3.5.15)</p> <p>f. Removed redundant “CHOICE mode FDD”</p> <p>6. 6.1.0b, SIB5 (TDD): Not checked</p> <p>7. 6.1.0b, SIB6 (FDD):</p> <p>a. IEs “PRACH system information list” and “Secondary CCPCH system info” in SIB6 have been marked as Not Present as the IEs are optional and have the same values as for corresponding IEs in SIB5.</p>
<b>Consequences if not approved:</b>	⌘ Incorrect system information

<b>Clauses affected:</b>	⌘ 6.1.0b														
<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;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> <table style="display: inline-table; vertical-align: middle; margin-left: 10px;"> <tr> <td>Other core specifications</td> <td>⌘</td> </tr> <tr> <td>Test specifications</td> <td></td> </tr> <tr> <td>O&amp;M Specifications</td> <td></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														
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Other core specifications	⌘														
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.

## 6.1.0b Default System Information Block Messages

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

- CN common GSM-MAP NAS system information	
- GSM-MAP NAS system information	00 80H
- 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 00H
- 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	1E 01H
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in idle mode	
-T300	4000 milliseconds
-N300	7
-T312	10 seconds
- N312	1
- UE Timers and constants in connected mode	
- T301	Not Present (2000 milliseconds: default value)
- N301	Not Present (2: default value)
- T302	Not Present (4000 milliseconds: default value)
- N302	Not Present (3: default value)
- T304	Not Present (2000 milliseconds: default value)
- N304	Not Present (2: default value)
- T305	Not Present (30 minutes: default value)
- T307	Not Present (30 seconds: default value)
- T308	Not Present (160 milliseconds: default value)
- T309	Not Present (5 seconds: default value)
- T310	Not Present (160 milliseconds: default value)
- N310	Not Present (4: default value)
- T311	Not Present (2000 milliseconds: default value)
- T312	Not Present (1 seconds: default value)
- N312	Not Present (1: default value)
- T313	Not Present (3 seconds: default value)
- N313	Not Present (20: default value)
- T314	Not Present (12 seconds: default value)
- T315	Not Present (180 seconds: default value)
- N315	Not Present (1: default value)
- T316	Not Present (30 seconds: default value)
- T317	Not Present (180 seconds: default value)

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
- <a href="#">Cell selection and reselection quality measure</a> <del>Cell selection_and_reselection_quality_measure</del>	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
- <a href="#">Cell selection and reselection quality measure</a>	(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
- <a href="#">Cell selection and reselection quality measure</a> <del>Cell_selection_and_reselection_quality_measure</del>	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
- <del>Access Class Barred</del>	<del>Not barred</del>
- 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
- <a href="#">Cell selection and reselection quality measure</a> <del>Cell_selection_and_reselection_quality_measure</del>	(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	
- <a href="#">CHOICE TFCI signalling</a> <del>Normal</del>	<a href="#">Normal</a>
- 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
- <a href="#">CHOICE mode</a>	<a href="#">FDD</a>
- 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
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD

- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	Not Present
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	Not Present
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- 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 <del>DL</del> -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	Not Present
- Fixed or Flexible position	<a href="#">Absence of this IE is equivalent to default value "TRUE"</a> Not Present
- Timing offset	<a href="#">Absence of this IE is equivalent to default value "Flexible"</a> Not Present
- TFCS	<a href="#">Absence of this IE is equivalent to default value 0</a>
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	(This IE is repeated for TFC number for PCH and FACH.)
- CHOICE TFCS representation	Normal
- TFCS complete <a href="#">reconfiguration</a> information	Complete reconfiguration
- 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
<del>- CHOICE Mode</del>	<del>FDD</del>
- 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
<del>- CHOICE Mode</del>	<del>FDD</del>
- 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
<del>- CHOICE Mode</del>	<del>FDD</del>
- 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	
<del>- CHOICE mode</del>	<del>FDD</del>
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE



- CBS DRX Level 1 information	Not Present
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## 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 <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	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 <i>TDD option</i>	3.84 Mcps TDD
- CHOICE Burst Type	Type 1

<ul style="list-style-type: none"> <li>- Midamble Allocation Mode</li> <li>- Midamble configuration burst type 1 and</li> </ul>	<p>Default midamble 4</p>
<p>3</p> <ul style="list-style-type: none"> <li>- Midamble Shift</li> <li>- CHOICE <i>TDD option</i> <ul style="list-style-type: none"> <li>- no data</li> </ul> </li> <li>- Code List</li> <li>- Channelisation Code</li> </ul>	<p>Not Present 3.84 Mcps TDD</p>
<ul style="list-style-type: none"> <li>- TFCS</li> <li>-CHOICE <i>TFCI signalling</i> <ul style="list-style-type: none"> <li>- Normal</li> <li>- TFCI Field 1 information</li> <li>- CHOICE TFCS representation</li> <li>- TFCS complete information</li> <li>- CHOICE CTFC Size</li> </ul> </li> </ul>	<p>(This IE is repeated for Code number for PCH and FACH) (This IE is repeated for TFC number for PCH and FACH.)</p>
<ul style="list-style-type: none"> <li>- CTFC information</li> <li>- Power offset information</li> </ul>	<p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present</p>
<ul style="list-style-type: none"> <li>- FACH/PCH information</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TB and TTI List</li> <li>- Number of Transport blocks</li> <li>- CHOICE Mode <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- CHOICE Logical Channel List</li> </ul>	<p>(PCH) Common transport channels</p>
<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> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD Reference clause 6.10 Parameter Set ALL</p>
<ul style="list-style-type: none"> <li>- Transport Channel Identity</li> <li>- CTCH indicator</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TB and TTI List</li> <li>- Number of Transport blocks</li> <li>- CHOICE Mode <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- CHOICE Logical Channel List</li> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set 12 (for PCH) FALSE (FACH) Common transport channels</p>
<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> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD Reference clause 6.10 Parameter Set ALL</p>
<ul style="list-style-type: none"> <li>- Transport Channel Identity</li> <li>- CTCH indicator</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TB and TTI List</li> <li>- Number of Transport blocks</li> <li>- CHOICE Mode <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- CHOICE Logical Channel List</li> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set 13 (for FACH) FALSE (FACH) Common transport channels</p>
<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> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD ALL</p>
<ul style="list-style-type: none"> <li>- Transport Channel Identity</li> <li>- CTCH indicator</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TB and TTI List</li> <li>- Number of Transport blocks</li> <li>- CHOICE Mode <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- CHOICE Logical Channel List</li> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD ALL</p>
<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> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD ALL</p>
<ul style="list-style-type: none"> <li>- Transport Channel Identity</li> <li>- CTCH indicator</li> <li>- TFS</li> <li>- CHOICE Transport channel type</li> <li>- Dynamic Transport format information</li> <li>- RLC Size</li> <li>- Number of TB and TTI List</li> <li>- Number of Transport blocks</li> <li>- CHOICE Mode <ul style="list-style-type: none"> <li>- Transmission Time Interval</li> </ul> </li> <li>- CHOICE Logical Channel List</li> </ul>	<p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD ALL</p>

- 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 <i>mode</i>	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	
- 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	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 TFCS <i>signalling</i>	
- Normal	
- TFCS Field 1 information	Addition
- CHOICE TFCS representation	
- TFCS addition 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	(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
- 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	<a href="#">Not present</a>
<del>- PRACH system information</del>	
<del>- PRACH info</del>	
<del>- CHOICE mode</del>	<del>FDD</del>
<del>- Available Signature</del>	<del>'0000-0000-1111-1111'B</del>
<del>- Available SF</del>	<del>64</del>
<del>- Preamble scrambling code number</del>	<del>0</del>
<del>- Puncturing Limit</del>	<del>1.00</del>
<del>- Available Sub Channel number</del>	<del>'1111-1111-1111'B</del>
<del>- Transport Channel Identity</del>	<del>15</del>
<del>- RACH TFS</del>	
<del>- CHOICE Transport channel type</del>	<del>Common transport channels</del>
<del>- Dynamic Transport format information</del>	
<del>- RLC size</del>	<del>168</del>
<del>- Number of TB and TTI List</del>	<del>1</del>
<del>- Number of Transport blocks</del>	<del>1</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- CHOICE Logical Channel List</del>	<del>Configured</del>
<del>- RLC size</del>	<del>360</del>
<del>- Number of TB and TTI List</del>	<del>1</del>
<del>- Number of Transport blocks</del>	<del>1</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- CHOICE Logical Channel List</del>	<del>Configured</del>
<del>- Semi-static Transport Format information</del>	
<del>- Transmission time interval</del>	<del>20 ms</del>
<del>- Type of channel coding</del>	<del>Convolutional</del>
<del>- Coding Rate</del>	<del>1/2</del>
<del>- Rate matching attribute</del>	<del>150</del>
<del>- CRC size</del>	<del>16</del>
<del>- RACH TFCS</del>	
<del>- Normal</del>	
<del>- TFCI Field 1 information</del>	
<del>- CHOICE TFCS representation</del>	<del>Complete reconfiguration</del>
<del>- TFCS addition information</del>	
<del>- CHOICE CTFC Size</del>	<del>2 bit</del>
<del>- CTFC information</del>	<del>0</del>
<del>- Power offset information</del>	
<del>- CHOICE Gain Factors</del>	<del>Computed Gain Factor</del>
<del>- Reference TFC ID</del>	<del>0</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- Power offset Pp-m</del>	<del>0 dB</del>
<del>- CTFC information</del>	<del>1</del>
<del>- Power offset information</del>	
<del>- CHOICE Gain Factors</del>	<del>Signalled Gain Factor</del>
<del>- Gain factor β<sub>e</sub></del>	<del>11</del>
<del>- Gain factor β<sub>d</sub></del>	<del>15</del>
<del>- Reference TFC ID</del>	<del>0</del>
<del>- CHOICE Mode</del>	<del>FDD</del>
<del>- Power offset Pp-m</del>	<del>0 dB</del>
<del>- PRACH partitioning</del>	
<del>- Access Service Class</del>	
<del>- ASC Setting</del>	<del>Not Present</del>
<del>- ASC Setting</del>	



<del>CHOICE mode</del>	FDD
<del>Available signature Start Index</del>	0 (ASC#1)
<del>Available signature End Index</del>	7 (ASC#1)
<del>Assigned Sub-channel Number</del>	'1111'B
<del>ASC Setting</del>	Not Present
<del>ASC Setting</del>	
<del>CHOICE mode</del>	FDD
<del>Available signature Start Index</del>	0 (ASC#3)
<del>Available signature End Index</del>	7 (ASC#3)
<del>Assigned Sub-channel Number</del>	'1111'B
<del>ASC Setting</del>	Not Present
<del>ASC Setting</del>	
<del>CHOICE mode</del>	FDD
<del>Available signature Start Index</del>	0 (ASC#5)
<del>Available signature End Index</del>	7 (ASC#5)
<del>Assigned Sub-channel Number</del>	'1111'B
<del>ASC Setting</del>	Not Present
<del>ASC Setting</del>	
<del>CHOICE mode</del>	FDD
<del>Available signature Start Index</del>	0 (ASC#7)
<del>Available signature End Index</del>	7 (ASC#7)
<del>Assigned Sub-channel Number</del>	'1111'B
<del>Persistence scaling factor</del>	0.9 (for ASC#2)
<del>Persistence scaling factor</del>	0.9 (for ASC#3)
<del>Persistence scaling factor</del>	0.9 (for ASC#4)
<del>Persistence scaling factor</del>	0.9 (for ASC#5)
<del>Persistence scaling factor</del>	0.9 (for ASC#6)
<del>Persistence scaling factor</del>	0.9 (for ASC#7)
<del>AC-to-ASC mapping</del>	Not Present
<del>Primary CPICH-DL TX power</del>	31
<del>Constant value</del>	-10
<del>PRACH power offset</del>	
<del>Power Ramp Step</del>	3dB
<del>Preamble Retrans Max</del>	4
<del>RACH transmission parameters</del>	
<del>Mmax</del>	2
<del>NB01min</del>	3 slot
<del>NB01max</del>	10 slot
<del>AICH info</del>	
<del>Channelisation code</del>	3
<del>STTD indicator</del>	FALSE
<del>AICH transmission timing</del>	0
- Secondary CCPCH system info	<a href="#">Not Present</a>
<del>Secondary CCPCH info</del>	
<del>Secondary scrambling code</del>	Not Present
<del>STTD indicator</del>	FALSE
<del>Spreading factor</del>	64
<del>Code number</del>	1
<del>Pilot symbol existence</del>	FALSE
<del>TFCI existence</del>	TRUE
<del>Fixed or Flexible position</del>	Flexible
<del>Timing offset</del>	0
<del>TFCS</del>	(This IE is repeated for TFC-number for PCH and FACH.)
<del>Normal</del>	
<del>TFCI Field 1 information</del>	
<del>CHOICE TFCS representation</del>	Complete reconfiguration
<del>TFCS addition information</del>	
<del>CHOICE CTFC Size</del>	4 bit
<del>CTFC information</del>	0
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	1
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	2
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	3
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	4
<del>Power offset information</del>	Not Present

<del>CTFC information</del>	5
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	6
<del>Power offset information</del>	Not Present
<del>CTFC information</del>	8
<del>Power offset information</del>	Not Present
<del>FACH/PCH information</del>	
<del>TFS</del>	(PCH)
<del>CHOICE Transport channel type</del>	Common transport channels
<del>Dynamic Transport format information</del>	
<del>RLC Size</del>	240 (PCGH)
<del>Number of TB and TTI List</del>	
<del>Number of Transport blocks</del>	0
<del>Number of Transport blocks</del>	4
<del>CHOICE Mode</del>	FDD
<del>CHOICE Logical Channel List</del>	ALL
<del>Semi-static Transport Format information</del>	
<del>Transmission time interval</del>	10 ms
<del>Type of channel coding</del>	Convolutional
<del>Coding Rate</del>	1/2
<del>Rate matching attribute</del>	230
<del>CRC size</del>	16 bit
<del>Transport Channel Identity</del>	12 (for PCH)
<del>CTCH indicator</del>	FALSE
<del>TFS</del>	(FACH)
<del>CHOICE Transport channel type</del>	Common transport channels
<del>Dynamic Transport format information</del>	
<del>RLC Size</del>	168
<del>Number of TB and TTI List</del>	
<del>Number of Transport blocks</del>	0
<del>Number of Transport blocks</del>	4
<del>Number of Transport blocks</del>	2
<del>CHOICE Mode</del>	FDD
<del>CHOICE Logical Channel List</del>	ALL
<del>Semi-static Transport Format information</del>	
<del>Transmission time interval</del>	10 ms
<del>Type of channel coding</del>	Convolutional
<del>Coding Rate</del>	1/2
<del>Rate matching attribute</del>	220
<del>CRC size</del>	16 bit
<del>Transport Channel Identity</del>	13 (for FACH)
<del>CTCH indicator</del>	FALSE
<del>TFS</del>	(FACH)
<del>CHOICE Transport channel type</del>	Common transport channels
<del>Dynamic Transport format information</del>	
<del>RLC Size</del>	360
<del>Number of TB and TTI List</del>	
<del>Number of Transport blocks</del>	0
<del>Number of Transport blocks</del>	4
<del>CHOICE Mode</del>	FDD
<del>CHOICE Logical Channel List</del>	ALL
<del>Semi-static Transport Format information</del>	
<del>Transmission time interval</del>	10 ms
<del>Type of channel coding</del>	Turbo
<del>Rate matching attribute</del>	130
<del>CRC size</del>	16bit
<del>Transport Channel Identity</del>	14 (for FACH)
<del>CTCH indicator</del>	FALSE
<del>PICH info</del>	
<del>Channelisation code</del>	2
<del>Number of PI per frame</del>	18
<del>STFD indicator</del>	FALSE
- CBS DRX Level 1 information	Not Present

## CHANGE REQUEST

# **34.108 CR 163** # rev **-** # Current version: **3.9.0** #

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 34.108 R99: Correction to RAB configurations as revision of T1S020755		
<b>Source:</b>	# Nokia		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 31/10/2002
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# R99
	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>	# Incorrect references, incorrect headers, incorrect Max data rate in one RAB configuration and incorrect Max number of DPDCH data bits/radio frame in one RAB configuration.
<b>Summary of change:</b>	# <ol style="list-style-type: none"> <li>1. Header in clause 6.10.2.4.1.23d.2.1.2 corrected.</li> <li>2. Max data rate in clause 6.10.2.4.1.31.2.1.1 corrected.</li> <li>3. Header in clause 6.10.2.4.1.32.2.1.2 corrected.</li> <li>4. Reference in clause 6.10.2.4.1.38f.1.1.2 corrected.</li> <li>5. Reference in clause 6.10.2.4.1.38f.2.1.2 corrected.</li> <li>6. Reference in clause 6.10.2.4.1.51a.1.1.2 corrected.</li> <li>7. Reference in clause 6.10.2.4.1.51a.2.1.2 corrected.</li> <li>8. Reference in clause 6.10.2.4.1.58.1.1.2 corrected.</li> <li>9. Max number of DPDCH data bits/radio frame in clause 6.10.2.4.1.58.1.2 corrected, ref 25.211 Table 1: DPDCH fields.</li> <li>10. Reference in clause 6.10.2.4.1.58.2.1.2 corrected.</li> </ol>
<b>Consequences if not approved:</b>	# Misleading references and headers and incorrect configurations.

<b>Clauses affected:</b>	# 6.10.2.4.1.23d, 6.10.2.4.1.31, 6.10.2.4.1.32, 6.10.2.4.1.38f, 6.10.2.4.1.51a and 6.10.2.4.1.58				
<b>Other specs</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;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications #	Y	N	#	X
Y	N				
#	X				

<b>affected:</b>	<input checked="" type="checkbox"/>	Test specifications	
	<input checked="" type="checkbox"/>	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.

## &lt;Start of modified section&gt;

6.10.2.4.1.23d Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.23d.1 Uplink

6.10.2.4.1.23d.1.1 Transport channel parameters

6.10.2.4.1.23d.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	Uplink: Max number of bits/radio frame before rate matching	1062	
RM attribute	135-175		

6.10.2.4.1.23d.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.

6.10.2.4.1.23d.1.1.3 TFCS

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

6.10.2.4.1.23d.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.88

## 6.10.2.4.1.23d.2 Downlink

## 6.10.2.4.1.23d.2.1 Transport channel parameters

## 6.10.2.4.1.23d.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	RM attribute	135-175	

6.10.2.4.1.23d.2.1.2 Transport channel parameters for **UL-DL**:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.23d.2.1.3 TFCS

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

## 6.10.2.4.1.23d.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

<End of modified section>

## 6.10.2.4.1.30.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	8
	Max number of DPDCH data bits/radio frame	4800
	Puncturing Limit	0.84

## 6.10.2.4.1.30.2 Downlink

See clause 6.10.2.4.1.29.2.

## &lt;Start of modified section&gt;

6.10.2.4.1.31 Interactive or background / UL:64 DL:256 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

## 6.10.2.4.1.31.1 Uplink

See clause 6.10.2.4.1.24.1.

## 6.10.2.4.1.31.2 Downlink

## 6.10.2.4.1.31.2.1 Transport channel parameters

## 6.10.2.4.1.31.2.1.1 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	384000256000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
		TF5, bits	N/A (alt. 12x336)
		TF6, bits	N/A (alt. 16x336)
	TTI, ms	10(alt. 20)	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	8460(alt. 16920)		
RM attribute	135-175		

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.31.2.1.3 TFCS

TFCS size	10 (alt.14)
TFCS	(256 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))

## 6.10.2.4.1.31.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		8
	Number of DPDCH		1
	DPCCH	Number of TFCl bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

## 6.10.2.4.1.32 Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

## 6.10.2.4.1.32.1 Uplink

See clause 6.10.2.4.1.24.1.

## 6.10.2.4.1.32.2 Downlink

## 6.10.2.4.1.32.2.1 Transport channel parameters

## 6.10.2.4.1.32.2.1.1 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	384000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
		TF5, bits	12x336
		TF6, bits	N/A (alt. 16 x336)
		TF7, bits	N/A (alt. 20 x336)
	TF8, bits	N/A (alt. 24 x336)	
	TTI, ms	10(alt. 20)	
	Coding type	TC	
CRC, bit	16		
Max number of bits/TTI after channel coding	12684(alt. 25368)		
RM attribute	110-150		



6.10.2.4.1.32.2.1.2 Transport channel parameters for ~~UL~~DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.32.2.1.3 TFCS

TFCS size	12 (alt.18)
TFCS	(384 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1))

## 6.10.2.4.1.32.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		8
	Number of DPDCH		1
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

<End of modified section>

6.10.2.4.1.38e.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB

See clause 6.10.2.4.1.38a.2.1.2

6.10.2.4.1.38e.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

6.10.2.4.1.38e.2.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1),

6.10.2.4.1.38e.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

### <Start of modified section>

6.10.2.4.1.38f Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38f.1 Uplink

6.10.2.4.1.38f.1.1 Transport channel parameters

6.10.2.4.1.38f.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1.38f.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.1.1.2+.

6.10.2.4.1.38f.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.

## 6.10.2.4.1.38f.1.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

## 6.10.2.4.1.38f.1.2 Physical channel parameters

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

## 6.10.2.4.1.38f.2 Downlink

## 6.10.2.4.1.38f.2.1 Transport channel parameters

## 6.10.2.4.1.38f.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

## 6.10.2.4.1.38f.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1.

## 6.10.2.4.1.38f.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

## 6.10.2.4.1.38f.2.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

## 6.10.2.4.1.38f.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

<End of modified section>

## 6.10.2.4.1.51.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	8
	Max number of DPDCH data bits/radio frame	4800
	Puncturing Limit	0.88

## 6.10.2.4.1.51.2 Downlink

## 6.10.2.4.1.51.2.1 Transport channel parameters

## 6.10.2.4.1.51.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.2.1.1.

## 6.10.2.4.1.51.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.2.4.1.25.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.51.2.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)= (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

## 6.10.2.4.1.51.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		16
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	288
		Number of data bits/frame	4320

## &lt;Start of modified section&gt;

## 6.10.2.4.1.51a Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

## 6.10.2.4.1.51a.1 Uplink

## 6.10.2.4.1.51a.1.1 Transport channel parameters

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

See clause 6.10.2.4.1.13.2.1.1.

## 6.10.2.4.1.51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB

See clause 6.10.2.4.1.3738b.1.1.12.

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

See clause 6.10.2.4.1.2.1.1.1.

## 6.10.2.4.1.51a.1.1.4 TFCS

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

## 6.10.2.4.1.51a.1.2 Physical channel parameters

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

## 6.10.2.4.1.51a.2 Downlink

## 6.10.2.4.1.51a.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.13.2.1.1.

## 6.10.2.4.1.51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.12.

## 6.10.2.4.1.51a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.51a.2.1.4 TFCS

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

## 6.10.2.4.1.51a.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

<End of modified section>

## &lt;Start of modified section&gt;

6.10.2.4.1.58 Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.58.1 Uplink

6.10.2.4.1.58.1.1 Transport channel parameters

6.10.2.4.1.58.1.1.1 Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	16000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068	
	Uplink: Max number of bits/radio frame before rate matching	534	
	RM attribute	135-175	

6.10.2.4.1.58.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.1.1.1.2.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.58.1.1.4 TFCS

TFCS size	8
TFCS	(16 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1)

6.10.2.4.1.58.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	<del>2400</del> 1200
	Puncturing Limit	1.0

## 6.10.2.4.1.58.2 Downlink

## 6.10.2.4.1.58.2.1 Transport channel parameters

## 6.10.2.4.1.58.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	640	
	Max data rate, bps	64000	
	AM PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	656	
	TFS	TF0, bits	0x656
		TF1, bits	1x656
		TF2, bits	2x656
		TF3, bits	4x656
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	8076	
RM attribute	125-165		

## 6.10.2.4.1.58.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1.2.

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.58.2.1.4 TFCS

TFCS size	16
TFCS	(64 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)

## 6.10.2.4.1.58.2.2 Physical channel parameters

DPCH Downlink	DTX position	Flexible
	Spreading factor	32
DPCCH	Number of TFCl 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

<End of modified section>



## CHANGE REQUEST

# **34.108 CR 164** # rev **-** # Current version: **4.4.0** #

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 34.108 Rel-4: Correction to RAB configurations as revision of T1S020756		
<b>Source:</b>	# Nokia		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 31/10/2002
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# Rel-4
	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>	# Incorrect references, incorrect headers, incorrect Max data rate in one RAB configuration and incorrect Max number of DPDCH data bits/radio frame in one RAB configuration.
<b>Summary of change:</b>	# <ol style="list-style-type: none"> <li>1. Header in clause 6.10.2.4.1.23d.2.1.2 corrected.</li> <li>2. Max data rate in clause 6.10.2.4.1.31.2.1.1 corrected.</li> <li>3. Header in clause 6.10.2.4.1.32.2.1.2 corrected.</li> <li>4. Reference in clause 6.10.2.4.1.38f.1.1.2 corrected.</li> <li>5. Reference in clause 6.10.2.4.1.38f.2.1.2 corrected.</li> <li>6. Reference in clause 6.10.2.4.1.51a.1.1.2 corrected.</li> <li>7. Reference in clause 6.10.2.4.1.51a.2.1.2 corrected.</li> <li>8. Reference in clause 6.10.2.4.1.58.1.1.2 corrected.</li> <li>9. Max number of DPDCH data bits/radio frame in clause 6.10.2.4.1.58.1.2 corrected, ref 25.211 Table 1: DPDCH fields.</li> <li>10. Reference in clause 6.10.2.4.1.58.2.1.2 corrected</li> </ol>
<b>Consequences if not approved:</b>	# Misleading references and headers and incorrect configurations.

<b>Clauses affected:</b>	# 6.10.2.4.1.23d, 6.10.2.4.1.31, 6.10.2.4.1.32, 6.10.2.4.1.38f, 6.10.2.4.1.51a and 6.10.2.4.1.58				
<b>Other specs</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;"> </td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications #	Y	N		X
Y	N				
	X				

<b>affected:</b>	<input checked="" type="checkbox"/>	Test specifications	
	<input checked="" type="checkbox"/>	O&M Specifications	
<b>Other comments:</b>	⌘		

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

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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.

## &lt;Start of modified section&gt;

6.10.2.4.1.23d Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.23d.1 Uplink

6.10.2.4.1.23d.1.1 Transport channel parameters

6.10.2.4.1.23d.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	Uplink: Max number of bits/radio frame before rate matching	1062	
RM attribute	135-175		

6.10.2.4.1.23d.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.

6.10.2.4.1.23d.1.1.3 TFCS

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

6.10.2.4.1.23d.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.88

## 6.10.2.4.1.23d.2 Downlink

## 6.10.2.4.1.23d.2.1 Transport channel parameters

## 6.10.2.4.1.23d.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	RM attribute	135-175	

6.10.2.4.1.23d.2.1.2 Transport channel parameters for **UL-DL**:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.23d.2.1.3 TFCS

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

## 6.10.2.4.1.23d.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

<End of modified section>



## 6.10.2.4.1.30.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	8
	Max number of DPDCH data bits/radio frame	4800
	Puncturing Limit	0.84

## 6.10.2.4.1.30.2 Downlink

See clause 6.10.2.4.1.29.2.

<Start of modified section>

6.10.2.4.1.31 Interactive or background / UL:64 DL:256 kbps / PS RAB  
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

## 6.10.2.4.1.31.1 Uplink

See clause 6.10.2.4.1.24.1.

## 6.10.2.4.1.31.2 Downlink

## 6.10.2.4.1.31.2.1 Transport channel parameters

## 6.10.2.4.1.31.2.1.1 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	384000256000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
		TF5, bits	N/A (alt. 12x336)
	TF6, bits	N/A (alt. 16x336)	
	TTI, ms	10(alt. 20)	
	Coding type	TC	
CRC, bit	16		
Max number of bits/TTI after channel coding	8460(alt. 16920)		
RM attribute	135-175		

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.31.2.1.3 TFCS

TFCS size	10 (alt.14)
TFCS	(256 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))

## 6.10.2.4.1.31.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		8
	Number of DPDCH		1
	DPCCH	Number of TFCl bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

## 6.10.2.4.1.32 Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

## 6.10.2.4.1.32.1 Uplink

See clause 6.10.2.4.1.24.1.

## 6.10.2.4.1.32.2 Downlink

## 6.10.2.4.1.32.2.1 Transport channel parameters

## 6.10.2.4.1.32.2.1.1 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	384000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
		TF5, bits	12x336
		TF6, bits	N/A (alt. 16 x336)
		TF7, bits	N/A (alt. 20 x336)
	TF8, bits	N/A (alt. 24 x336)	
	TTI, ms	10(alt. 20)	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	12684(alt. 25368)		
RM attribute	110-150		

6.10.2.4.1.32.2.1.2 Transport channel parameters for UL-DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.32.2.1.3 TFCS

TFCS size	12 (alt.18)
TFCS	(384 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1))

## 6.10.2.4.1.32.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		8
	Number of DPDCH		1
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

<End of modified section>



6.10.2.4.1.38e.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB

See clause 6.10.2.4.1.38a.2.1.2

6.10.2.4.1.38e.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

6.10.2.4.1.38e.2.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1),

6.10.2.4.1.38e.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

<Start of modified section>

6.10.2.4.1.38f Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38f.1 Uplink

6.10.2.4.1.38f.1.1 Transport channel parameters

6.10.2.4.1.38f.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1.38f.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.1.1.1.2.

6.10.2.4.1.38f.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.

## 6.10.2.4.1.38f.1.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

## 6.10.2.4.1.38f.1.2 Physical channel parameters

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

## 6.10.2.4.1.38f.2 Downlink

## 6.10.2.4.1.38f.2.1 Transport channel parameters

## 6.10.2.4.1.38f.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

## 6.10.2.4.1.38f.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1.

## 6.10.2.4.1.38f.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

## 6.10.2.4.1.38f.2.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

## 6.10.2.4.1.38f.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

&lt;End of modified section&gt;

## 6.10.2.4.1.51.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	8
	Max number of DPDCH data bits/radio frame	4800
	Puncturing Limit	0.88

## 6.10.2.4.1.51.2 Downlink

## 6.10.2.4.1.51.2.1 Transport channel parameters

## 6.10.2.4.1.51.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.2.1.1.

## 6.10.2.4.1.51.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.2.4.1.25.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.51.2.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)= (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

## 6.10.2.4.1.51.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		16
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	288
		Number of data bits/frame	4320

## &lt;Start of modified section&gt;

## 6.10.2.4.1.51a Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

## 6.10.2.4.1.51a.1 Uplink

## 6.10.2.4.1.51a.1.1 Transport channel parameters

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

See clause 6.10.2.4.1.13.2.1.1.

## 6.10.2.4.1.51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB

See clause 6.10.2.4.1.~~3738b~~.1.1.~~12~~.

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

See clause 6.10.2.4.1.2.1.1.1.

## 6.10.2.4.1.51a.1.1.4 TFCS

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

## 6.10.2.4.1.51a.1.2 Physical channel parameters

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

## 6.10.2.4.1.51a.2 Downlink

## 6.10.2.4.1.51a.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.13.2.1.1.

## 6.10.2.4.1.51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.~~12~~.

## 6.10.2.4.1.51a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.51a.2.1.4 TFCS

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

## 6.10.2.4.1.51a.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

<End of modified section>

## &lt;Start of modified section&gt;

6.10.2.4.1.58 Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.58.1 Uplink

6.10.2.4.1.58.1.1 Transport channel parameters

6.10.2.4.1.58.1.1.1 Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	16000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068	
	Uplink: Max number of bits/radio frame before rate matching	534	
	RM attribute	135-175	

6.10.2.4.1.58.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.1.1.1.2.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.58.1.1.4 TFCS

TFCS size	8
TFCS	(16 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1)

6.10.2.4.1.58.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	<del>2400</del> 1200
	Puncturing Limit	1.0

## 6.10.2.4.1.58.2 Downlink

## 6.10.2.4.1.58.2.1 Transport channel parameters

## 6.10.2.4.1.58.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	640	
	Max data rate, bps	64000	
	AM PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	656	
	TFS	TF0, bits	0x656
		TF1, bits	1x656
		TF2, bits	2x656
		TF3, bits	4x656
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	8076	
RM attribute	125-165		

## 6.10.2.4.1.58.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1.2.

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.58.2.1.4 TFCS

TFCS size	16
TFCS	(64 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)

## 6.10.2.4.1.58.2.2 Physical channel parameters

DPCH Downlink	DTX position	Flexible
	Spreading factor	32
DPCCH	Number of TFCl 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

<End of modified section>

3GPP TSG-T1 Meeting #17  
 Luton, England, 4<sup>th</sup> and 8<sup>th</sup> Nov 2002  
 3GPP TSG-T1/SIG Meeting #26  
 Luton, England, 5<sup>th</sup> - 7<sup>th</sup>, Nov 2002

Tdoc # T1-020802

Tdoc # T1S-020748

CR-Form-v7

## CHANGE REQUEST

# **34.108 CR 165** # rev **-** # Current version: **3.9.0** #

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 R99; Parameter addition for Reference RABs based on LS from RAN2		
<b>Source:</b>	# ERICSSON, NTT DoCoMo		
<b>Work item code:</b>	# TEI <span style="float: right;"><b>Date:</b> # 3/11/2002</span>		
<b>Category:</b>	# <b>F</b> <span style="float: right;"><b>Release:</b> # R99</span>		
	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <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 TR 21.900.         </td> <td style="width: 50%; vertical-align: top;"> <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)         </td> </tr> </table>	<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 TR 21.900.	<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)
<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 TR 21.900.	<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>	# LS from RAN2 that few configurations could be added to 34.108 that have a CRC present in all transport formats set for a certain transport channel.
<b>Summary of change:</b>	# To be present CRC in all transport formats, add "alt. 1x0" to TF0 in transport channel parameters . This CR is included modifications written in T1S-020715 from ERICSSON.
<b>Consequences if not approved:</b>	# UE implemented to adjust SIR-target adjustments using CRC couldn't work.

<b>Clauses affected:</b>	# 6.10															
<b>Other specs affected:</b>	<table style="border: none;"> <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 style="padding: 2px;">#</td> <td style="padding: 2px;">Other core specifications</td> <td style="padding: 2px;">#</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 style="padding: 2px;">#</td> <td style="padding: 2px;">Test specifications</td> <td style="padding: 2px;">#</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 style="padding: 2px;">#</td> <td style="padding: 2px;">O&amp;M Specifications</td> <td style="padding: 2px;">#</td> </tr> </table>	Y	N	#	Other core specifications	#	#	X	#	Test specifications	#	#	X	#	O&M Specifications	#
Y	N	#	Other core specifications	#												
#	X	#	Test specifications	#												
#	X	#	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.

<<START MODIFICATION>>

6.10.2.4.1.16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.16.1 Uplink

6.10.2.4.1.16.1.1 Transport channel parameters

6.10.2.4.1.16.1.1.1 Transport channel parameters for Streaming / unknown / UL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	576	
	Max data rate, bps	28800	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	576	
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	3564	
	Uplink: Max number of bits/radio frame before rate matching	891	
RM attribute	135-175		

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.16.1.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.96

6.10.2.4.1.16.2 Downlink

6.10.2.4.1.16.2.1 Transport channel parameters

6.10.2.4.1.16.2.1.1 Transport channel parameters for Streaming / unknown / DL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	576	
	Max data rate, bps	28800	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	576	
	TFS	TF0, bits	<del>0x576</del> 0x576 (alt. 1x0) (note)
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	3564	
RM attribute	135-175		

NOTE: Alternative 1x0 is used to have CRC present in all transport formats.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.16.2.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.2.2 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

<<END MODIFICATION>>

<<START MODIFICATION>>

6.10.2.4.1.18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.18.1 Uplink

6.10.2.4.1.18.1.1 Transport channel parameters

6.10.2.4.1.18.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS RAB  
N/A

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.18.1.1.3 TFCS

See clause 6.10.2.4.1.2.1.1.2.

6.10.2.4.1.18.1.2 Physical channel parameters

See clause 6.10.2.4.1.2.1.2.

6.10.2.4.1.18.2 Downlink

6.10.2.4.1.18.2.1 Transport channel parameters

6.10.2.4.1.18.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	320	
	Max data rate, bps	64000	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	320	
	TFS	TF0, bits	<del>0x320</del> 0x320 (alt. 1x0) (note)
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	8076		
RM attribute	125-165		
<b>NOTE:</b> Alternative 1x0 is used to have CRC present in all transport formats.			

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.18.2.1.3 TFCS

TFCS size	10
TFCS	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

## 6.10.2.4.1.18.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		32
	DPCCH	Number of TFCl 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

&lt;&lt;END MODIFICATION&gt;&gt;

3GPP TSG-T1 Meeting #17  
 Luton, England, 4<sup>th</sup> and 8<sup>th</sup> Nov 2002  
 3GPP TSG-T1/SIG Meeting #26  
 Luton, England, 5<sup>th</sup>- 7<sup>th</sup>, Nov 2002

Tdoc # T1-020803

Tdoc # T1S-020749

CR-Form-v7

## CHANGE REQUEST

# **34.108 CR 166** # rev **-** # Current version: **4.4.0** #

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 REL4; Parameter addition for Reference RABs based on LS from RAN2		
<b>Source:</b>	# ERICSSON, NTT DoCoMo		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 3/11/2002
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# Rel-4
	<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 TR 21.900.	<i>Use one of the following releases:</i> 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>	# LS from RAN2 that few configurations could be added to 34.108 that have a CRC present in all transport formats set for a certain transport channel.
<b>Summary of change:</b>	# To be present CRC in all transport formats, add "alt. 1x0" to TF0 in transport channel parameters . This CR is included modifications written in T1S-020716 from ERICSSON.
<b>Consequences if not approved:</b>	# UE implemented to adjust SIR-target adjustments using CRC couldn't work.

<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;">#</td> <td style="text-align: center;">#</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></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 # 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"/>
Y	N										
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<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:

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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.

<<START MODIFICATION>>

6.10.2.4.1.16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.16.1 Uplink

6.10.2.4.1.16.1.1 Transport channel parameters

6.10.2.4.1.16.1.1.1 Transport channel parameters for Streaming / unknown / UL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	576	
	Max data rate, bps	28800	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	576	
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	3564	
	Uplink: Max number of bits/radio frame before rate matching	891	
RM attribute	135-175		

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.16.1.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.96



6.10.2.4.1.16.2 Downlink

6.10.2.4.1.16.2.1 Transport channel parameters

6.10.2.4.1.16.2.1.1 Transport channel parameters for Streaming / unknown / DL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	576	
	Max data rate, bps	28800	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	576	
	TFS	TF0, bits	<del>0x576</del> 0x576 (alt. 1x0) (note)
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	3564	
RM attribute	135-175		

NOTE: Alternative 1x0 is used to have CRC present in all transport formats.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.16.2.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.2.2 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

<<END MODIFICATION>>

<<START MODIFICATION>>

6.10.2.4.1.18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.18.1 Uplink

6.10.2.4.1.18.1.1 Transport channel parameters

6.10.2.4.1.18.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS RAB  
N/A

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.18.1.1.3 TFCS

See clause 6.10.2.4.1.2.1.1.2.

6.10.2.4.1.18.1.2 Physical channel parameters

See clause 6.10.2.4.1.2.1.2.

6.10.2.4.1.18.2 Downlink

6.10.2.4.1.18.2.1 Transport channel parameters

6.10.2.4.1.18.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	320	
	Max data rate, bps	64000	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	320	
	TFS	TF0, bits	<del>0x320</del> 0x320 (alt. 1x0) (note)
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	8076		
RM attribute	125-165		
<b>NOTE:</b> Alternative 1x0 is used to have CRC present in all transport formats.			

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

See clause 6.10.2.4.1.2.2.1.1.

## 6.10.2.4.1.18.2.1.3 TFCS

TFCS size	10
TFCS	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

## 6.10.2.4.1.18.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		32
	DPCCH	Number of TFCl 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

&lt;&lt;END MODIFICATION&gt;&gt;

3GPP TSG-T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002

T1-020817

3GPP TSG-T1/SIG Meeting #26  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002

T1S020837

CR-Form-v6.1

## CHANGE REQUEST

⌘ **TS 34.108 CR 167** ⌘ rev **-** ⌘ Current version: **3.9.0** ⌘  
**Spec Title:** User Equipment (UE) conformance specification; ⌘  
 Part 1: Protocol conformance specification

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

**Proposed change affects:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

**Title:** ⌘ CR to TS34.108 R99 ; Addition to clause 7.4 for multi call as T1S-020576rev2 (revision to T1S020819)

**Source:** ⌘ Panasonic

**Work item code:** ⌘ TEI **Date:** ⌘ 4/11/2002

**Category:** ⌘ **F** **Release:** ⌘ R99

*Use one of the following categories:*  
**F** (correction)  
**A** (corresponds to a correction in an earlier release)  
**B** (addition of feature),  
**C** (functional modification of feature)  
**D** (editorial modification)  
 Detailed explanations of the above categories can be found in 3GPP [TR 21.900](#).

*Use one of the following releases:*  
 2 (GSM Phase 2)  
 R96 (Release 1996)  
 R97 (Release 1997)  
 R98 (Release 1998)  
 R99 (Release 1999)  
 REL-4 (Release 4)  
 REL-5 (Release 5)

**Reason for change:** ⌘ There are no initial test states and common procedures for multi call testing in current specification.

**Summary of change:** ⌘ The following new initial states and common procedure is added in clause 7.4

PS+CS-DCCH+DTCH DCH (State 6-14)

This new state is generated from adding CS RAB to PS-DCCH+DTCH DCH/FACH state (State 6-10 or 6-11) or adding PS RAB to CS DCCH+DTCH state (state 6-9) in clause 7.4.

CS+CS-DCCH+DTCH DCH (State 6-15)

This new state is generated from adding CS RAB to CS DCCH+DTCH state (state 6-9) in clause 7.4.

PS+PS-DCCH+DTCH DCH (State 6-16)

This new state is generated from adding PS RAB to PS-DCCH+DTCH DCH/FACH state (State 6-10 or 6-11) in clause 7.4.

The revisions from T1S-020576 is as follows.

Clause 7.4.2.8.1.2.3

- REQUEST PDP CONTEXT ACTIVATION is removed because this message

isn't needed in mobile originating sessions.

Clause 7.4.2.8.2.1.3

- SEVICE ACCEPT is added because this message is needed as a response to SERVICE REQUEST in setting up PS RAB.

Clause 7.4.2.8.2.2.3

- REQUEST PDP CONTEXT ACTIVAION is removed because this message isn't needed in mobile originating sessions.
- SEVICE ACCEPT is added because this message is needed as a response to SERVICE REQUEST in setting up PS RAB.

Clause 7.4.2.9.1.2.3

- SERVICE REQUEST and SEVICE ACCEPT is added because this message is needed in setting up CS RAB in mobile originating sessions.

Figure 7.4.1.1

- One State 13 changed into State 6-12 (there were 2 state 6-13s, and one should be Cell-PCH, and state 6-12)

Correction to T1S-020721 due to comment from Sony and Ericsson.

- CM SERVICE REQUEST and CM SERVICE ACCEPT is MM message in clause 7.4.2.9.1.2.3.

Correction to T1S020819 (clause 7.4.2.9.1.2.3)

- SERVICE REQUEST is corrected to CM SERVICE REQUEST.
- SERVICE ACCEPT is corrected to CM SERVICE ACCEPT.

**Consequences if not approved:**

⌘ There are no initial test states and common procedures for multi call testing

**Clauses affected:**

⌘ 7.4

**Other specs affected:**

⌘  Other core specifications ⌘   
 Test specifications  
 O&M Specifications

**Other comments:**

⌘ Affects R99

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

Comprehensive information and tips about how to create CRs can be found at: [http://www.3gpp.org/3G\\_Specs/CRs.htm](http://www.3gpp.org/3G_Specs/CRs.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.

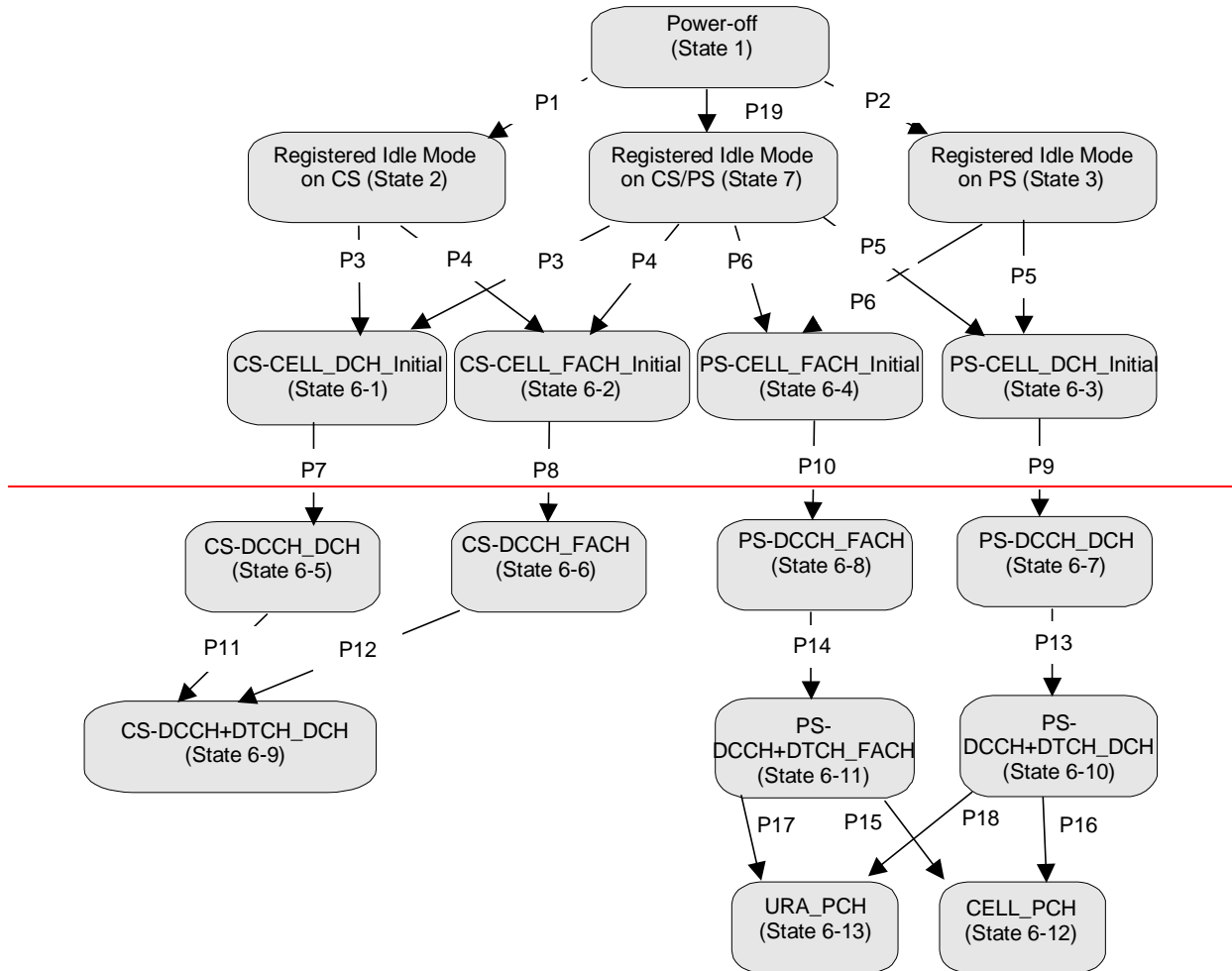
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

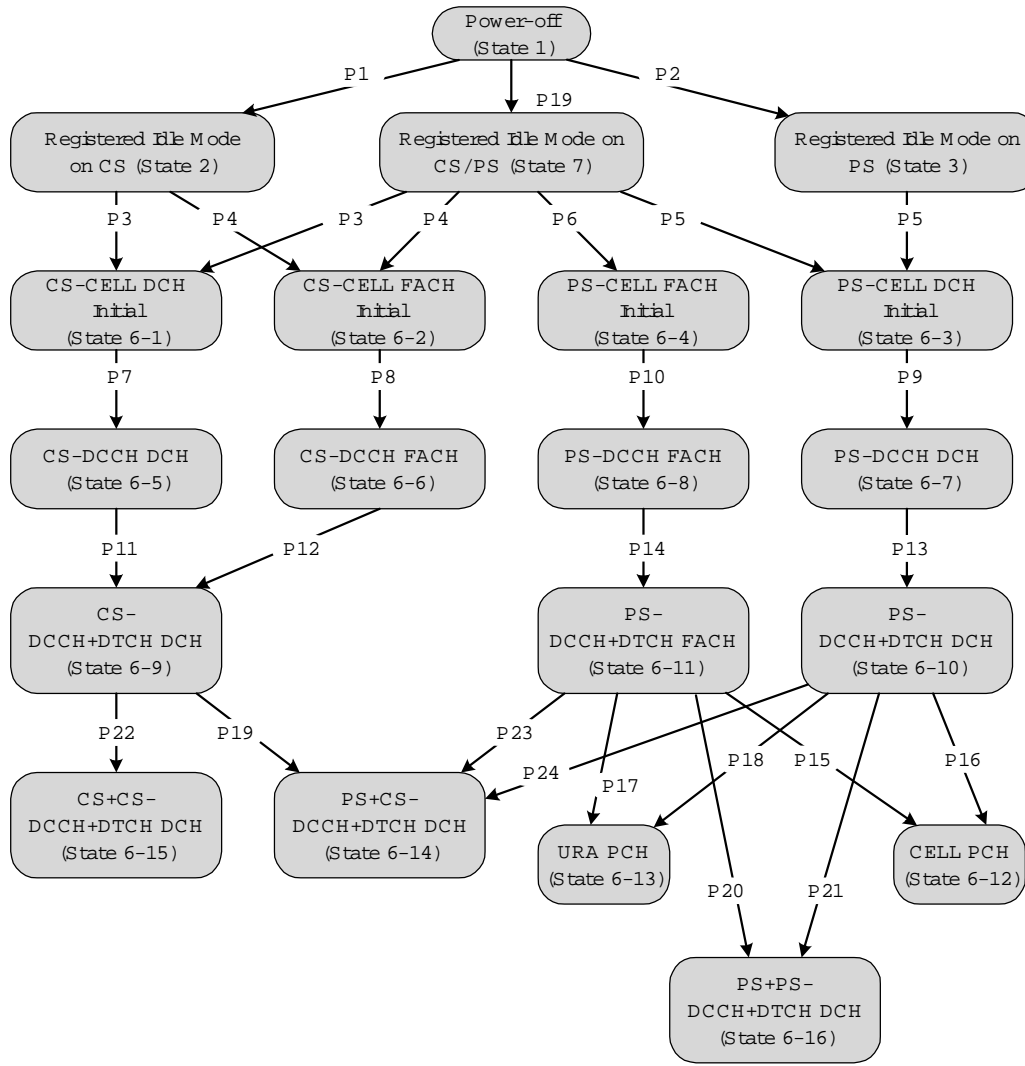
# 7 Generic setup procedures

## 7.1 Basic Generic Procedures

## 7.4 Common generic procedures for AS testing

### 7.4.1 UE RRC Test States for common procedures





**Figure 7.4.1.1: UE RRC test initial states and common procedures**

For UE to set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.4.1.1, the operating states for various protocols in the UE are given in table 7.4.1.1.

It is noted that figure 7.4.1.1 should not be construed as a formal state transition diagram, in any manner. The intention here is to define the starting state of UE following the execution of the procedures indicated above.



Table 7.4.1.1: The UE states

		RRC	CC	MM	SM	GMM
State 1	Power OFF	----	Null	Detached	Inactive	Detached
State 2	Registered Idle Mode on CS	Idle	Null	Idle	Inactive	Detached
State 3	Registered Idle Mode on PS	Idle	Null	Detached	Inactive	Idle
State 7	Registered Idle Mode on CS/PS	Idle	Null	Idle	Inactive	Idle
State BGP6-1	CS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-2	CS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-3	PS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-4	PS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-5	CS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Inactive	As previous
State BGP6-6	CS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Inactive	As previous
State BGP6-7	PS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Active pending	As previous
State BGP6-8	PS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Active pending	As previous
State BGP6-9	CS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Connected	As previous	Inactive	As previous
State BGP6-10	PS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Null	As previous	Active	As previous
State BGP6-11	PS-DCCH+DTCH_FACH	Connected (CELL_FACH)	Null	As previous	Active	As previous
State BGP6-12	CELL_PCH	Connected (CELL_PCH)	Null	As previous	Inactive	As previous
State BGP6-13	URA_PCH	Connected (URA_PCH)	Null	As previous	Inactive	As previous
<a href="#">State BGP6-14</a>	<a href="#">PS+CS-DCCH+DTCH_DCH</a>	<a href="#">Connected (CELL_DCH)</a>	<a href="#">Connected</a>	<a href="#">As previous</a>	<a href="#">Active</a>	<a href="#">As previous</a>
<a href="#">State BGP6-15</a>	<a href="#">CS+CS-DCCH+DTCH_DCH</a>	<a href="#">Connected (CELL_DCH)</a>	<a href="#">Connected</a>	<a href="#">As previous</a>	<a href="#">Inactive</a>	<a href="#">As previous</a>
<a href="#">State BGP6-16</a>	<a href="#">PS+PS-DCCH+DTCH_DCH</a>	<a href="#">Connected (CELL_DCH)</a>	<a href="#">Null</a>	<a href="#">As previous</a>	<a href="#">Active</a>	<a href="#">As previous</a>

State 1, state 2, state 3, P1, P2 and P19 are described in TS34.108 clause 7.2. States 6-X (for X=1 to 16) are described below.

## 7.4.2 Generic Setup Procedure for RRC test cases

### 7.4.2.1 RRC connection establishment procedure for circuit-switched calls (procedure P3 and P4)

#### 7.4.2.1.1 Mobile terminating call

##### 7.4.2.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

#### 7.4.2.1.1.2 Definition of system information messages

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

#### 7.4.2.1.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PAGING TYPE 1 (PCCH)	RRC
2	-->		RRC CONNECTION REQUEST (CCCH)	RRC
3	<--		RRC CONNECTION SETUP (CCCH)	RRC
4	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	-->		PAGING RESPONSE	RR

#### 7.4.2.1.1.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 Annex A is used.

#### 7.4.2.1.2 Mobile originating calls

##### 7.4.2.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

##### 7.4.2.1.2.2 Definition of system information messages

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

##### 7.4.2.1.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		RRC CONNECTION REQUEST (CCCH)	RRC
2	<--		RRC CONNECTION SETUP (CCCH)	RRC
3	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	-->		CM SERVICE REQUEST	MM

##### 7.4.2.1.2.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 Annex A is used.

## 7.4.2.2 RRC connection establishment procedure for packet switched sessions (procedure P5 and P6)

### 7.4.2.2.1 Mobile terminating session

#### 7.4.2.2.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

#### 7.4.2.2.1.2 Definition of system information messages

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

#### 7.4.2.2.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PAGING TYPE1 (PCCH)	Paging
2	-->		RRC CONNECTION REQUEST (CCCH)	RRC
3	<--		RRC CONNECTION SETUP (CCCH)	RRC
4	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	-->		SERVICE REQUEST	GMM

#### 7.4.2.2.1.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 Annex A is used.

### 7.4.2.2.2 Mobile originating sessions

#### 7.4.2.2.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

#### 7.4.2.2.2.2 Definition of system information messages

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

#### 7.4.2.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		RRC CONNECTION REQUEST (CCCH)	RRC
2	<--		RRC CONNECTION SETUP (CCCH)	RRC
3	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	-->		SERVICE REQUEST	GMM

#### 7.4.2.2.2.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 annex. A is used.

### 7.4.2.3 NAS call set up procedure for circuit switched calls (procedure P7 and P8)

#### 7.4.2.3.1 Mobile terminating call

##### 7.4.2.3.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.
- The Test USIM shall be inserted.

##### 7.4.2.3.1.2 Definition of system information messages

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

##### 7.4.2.3.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		AUTHENTICATION REQUEST	MM
2	-->		AUTHENTICATION RESPONSE	MM
3	<--		SECURITY MODE COMMAND	RRC
4	-->		SECURITY MODE COMPLETE	RRC
5	<--		SET UP	CC
6	-->		CALL CONFIRMED	CC

##### 7.4.2.3.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.3.2 Mobile originating calls

7.4.2.3.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.
- The Test USIM shall be inserted.

7.4.2.3.2.2 Definition of system information messages

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

7.4.2.3.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		AUTHENTICATION REQUEST	MM
2	-->		AUTHENTICATION RESPONSE	MM
3	<--		SECURITY MODE COMMAND	RRC
4	-->		SECURITY MODE COMPLETE	RRC
5	-->		SET UP	CC
6	<--		CALL PROCEEDING	CC

7.4.2.3.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.4 NAS session activation procedure for packet switched sessions (procedure P9 and P10)

7.4.2.4.1 Mobile terminating session

7.4.2.4.1.1 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.

7.4.2.4.1.2 Definition of system information messages

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

7.4.2.4.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 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	<--		REQUEST PDP CONTEXT ACTIVATION	SM
6	-->		ACTIVATE PDP CONTEXT REQUEST	SM

#### 7.4.2.4.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

#### 7.4.2.4.2 Mobile originating sessions

##### 7.4.2.4.2.1 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.

##### 7.4.2.4.2.2 Definition of system information messages

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

##### 7.4.2.4.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 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 PDP CONTEXT REQUEST	SM

#### 7.4.2.4.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS34.108.

#### 7.4.2.5 Radio access bearer establishment procedure for circuit switched calls (procedure P11 and P12)

##### 7.4.2.5.1 Mobile terminating call

##### 7.4.2.5.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

#### 7.4.2.5.1.2 Definition of system information messages

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

#### 7.4.2.5.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	-->		ALERTING	CC (This message is optional)
4	-->		CONNECT	CC
5	<--		CONNECT ACKNOWLEDGE	CC

#### 7.4.2.5.1.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in clause 9 of TS 34.108) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in annex A of TS 34.123-1) for the message in step 1.

#### 7.4.2.5.2 Mobile originating calls

##### 7.4.2.5.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

##### 7.4.2.5.2.2 Definition of system information messages

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

##### 7.4.2.5.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	<--		ALERTING	CC
4	<--		CONNECT	CC
5	-->		CONNECT ACKNOWLEDGE	CC

#### 7.4.2.5.2.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in Annex A of TS 34.123-1) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in annex A of TS 34.123-1) for the message in step 1.

### 7.4.2.6 Radio access bearer establishment procedure for packet switched sessions (procedure P13 and P14)

#### 7.4.2.6.1 Mobile terminating session

##### 7.4.2.6.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

##### 7.4.2.6.1.2 Definition of system information messages

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

##### 7.4.2.6.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	<--		ACTIVATE PDP CONTEXT ACCEPT	SM

##### 7.4.2.6.1.4 Specific message contents

For step 1, the messages in annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL\_DCH from CELL\_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL\_FACH from CELL\_FACH in PS".

#### 7.4.2.6.2 Mobile originating sessions

##### 7.4.2.6.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

##### 7.4.2.6.2.2 Definition of system information messages

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



## 7.4.2.6.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	<--		ACTIVATE PDP CONTEXT ACCEPT	SM

## 7.4.2.6.2.4 Specific message contents

For step 1, the messages in Annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL\_DCH from CELL\_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL\_FACH from CELL\_FACH in PS".

## 7.4.2.7 Procedure for transitions to CELL\_PCH or URA\_PCH state (procedure P15, P16, P17 and P18)

## 7.4.2.7.1 Transition to CELL\_PCH (procedure P15 and P16)

## 7.4.2.7.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

## 7.4.2.7.1.2 Definition of system information messages

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

## 7.4.2.7.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PHYSICAL CHANNEL RECONFIGURATION	RRC
2	-->		PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

## 7.4.2.7.1.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type RRC State Indicator	CELL_PCH

### 7.4.2.7.2 Transition to URA\_PCH (procedure P17 and P18)

#### 7.4.2.7.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

#### 7.4.2.7.2.2 Definition of system information messages

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

#### 7.4.2.7.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PHYSICAL CHANNEL RECONFIGURATION	RRC
2	-->		PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

#### 7.4.2.7.2.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type RRC State Indicator	URA_PCH

### [7.4.2.8 Radio access bearer establishment procedure with packet switched sessions for transitions to Multi Call state \(procedure P19, 20 and 21\)](#)

#### [7.4.2.8.1 Transition to PS+CS-DCCH+DTCH DCH \(procedure P19\)](#)

##### [7.4.2.8.1.1 Mobile terminating session](#)

###### [7.4.2.8.1.1.1 Initial conditions](#)

[System Simulator:](#)

- [1 cell, default parameters.](#)

[User Equipment:](#)

- [The UE shall be in state 6-9.](#)
- [The Test USIM shall be inserted.](#)

###### [7.4.2.8.1.1.2 Definition of system information messages](#)

[The default system information messages are used as specified in clause 6.1 of TS 34.108.](#)

### 7.4.2.8.1.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		<--	PAGING TYPE2 (DCCH)	Paging
2		-->	SERVICE REQUEST	GMM
3		<--	AUTHENTICATION AND CIPHERING REQUEST	GMM
4		-->	AUTHENTICATION AND CIPHERING RESPONSE	GMM
5		<--	SECURITY MODE COMMAND	RRC
6		-->	SECURITY MODE COMPLETE	RRC
7		<--	REQUEST PDP CONTEXT ACTIVATION	SM
8		-->	ACTIVATE PDP CONTEXT REQUEST	SM
9		<--	RADIO BEARER SETUP	RRC RAB SETUP
10		-->	RADIO BEARER SETUP COMPLETE	RRC
11		<--	ACTIVATE PDP CONTEXT ACCEPT	SM

### 7.4.2.8.1.1.4 Specific message contents

FFS

### 7.4.2.8.1.2 Mobile originating sessions

#### 7.4.2.8.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.
- The Test USIM shall be inserted.

#### 7.4.2.8.1.2.2 Definition of system information messages

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

### 7.4.2.8.1.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		-->	SERVICE REQUEST	GMM
2		<--	AUTHENTICATION AND CIPHERING REQUEST	GMM
3		-->	AUTHENTICATION AND CIPHERING RESPONSE	GMM
4		<--	SECURITY MODE COMMAND	RRC
5		-->	SECURITY MODE COMPLETE	RRC
6		-->	ACTIVATE PDP CONTEXT REQUEST	SM
7		<--	RADIO BEARER SETUP	RRC RAB SETUP
8		-->	RADIO BEARER SETUP COMPLETE	RRC
9		<--	ACTIVATE PDP CONTEXT ACCEPT	SM

7.4.2.8.1.2.4 Specific message contentsFFS7.4.2.8.2 Transition to PS+PS-DCCH+DTCH DCH (procedure P20 and P21)7.4.2.8.2.1 Mobile terminating session7.4.2.8.2.1.1 Initial conditionsSystem Simulator:- 1 cell, default parameters.User Equipment:- The UE shall be in state 6-10 or state 6-11.- The Test USIM shall be inserted.7.4.2.8.2.1.2 Definition of system information messagesThe default system information messages are used as specified in clause 6.1 of TS 34.108.7.4.2.8.2.1.3 ProcedureThe Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

<u>Step</u>	<u>Direction</u>		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
1	<:-		PAGING TYPE2 (DCCH)	Paging
2	:->		SERVICE REQUEST	GMM
3	<:-		SERVICE ACCEPT	GMM
4	<:-		REQUEST PDP CONTEXT ACTIVATION	SM
5	:->		ACTIVATE PDP CONTEXT REQUEST	SM
6	<:-		RADIO BEARER SETUP	RRC RAB SETUP
7	:->		RADIO BEARER SETUP COMPLETE	RRC
8	<:-		ACTIVATE PDP CONTEXT ACCEPT	SM

7.4.2.8.2.1.4 Specific message contentsFFS7.4.2.8.2.2 Mobile originating sessions7.4.2.8.2.2.1 Initial conditionsSystem Simulator:- 1 cell, default parameters.User Equipment:- The UE shall be in state 6-10 or state 6-11.- The Test USIM shall be inserted.

#### 7.4.2.8.2.2.2 Definition of system information messages

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

#### 7.4.2.8.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		-->	SERVICE REQUEST	GMM
2		<--	SERVICE ACCEPT	GMM
3		-->	ACTIVATE PDP CONTEXT REQUEST	SM
4		<--	RADIO BEARER SETUP	RRC RAB SETUP
5		-->	RADIO BEARER SETUP COMPLETE	RRC
6		<--	ACTIVATE PDP CONTEXT ACCEPT	SM

#### 7.4.2.8.2.2.4 Specific message contents

FFS

### 7.4.2.9 Radio access bearer establishment procedure with circuit switched calls for transitions to Multi Call state (procedure P22, P23 and P24)

#### 7.4.2.9.1 Transition to CS+CS-DCCH+DTCH DCH (procedure P22)

##### 7.4.2.9.1.1 Mobile terminating call

##### 7.4.2.9.1.1.1 Initial conditions

###### System Simulator:

- 1 cell, default parameters.

###### User Equipment:

- The UE shall be in state 6-9.
- The Test USIM shall be inserted.

##### 7.4.2.9.1.1.2 Definition of system information messages

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

##### 7.4.2.9.1.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		<:-	PAGING TYPE2 (DCCH)	Paging
2		:->	PAGING RESPONSE	RR
3		<:-	SET UP	CC
4		:->	CALL CONFIRMED	CC
5		<:-	RADIO BEARER SETUP	RRC RAB SETUP
6		:->	RADIO BEARER SETUP COMPLETE	RRC
7		:->	ALERTING	CC (this message is optional)
8		:->	CONNECT	CC
9		<:-	CONNECT ACKNOWLEDGE	CC

#### 7.4.2.9.1.1.4 Specific message contents

FFS

#### 7.4.2.9.1.2 Mobile originating calls

##### 7.4.2.9.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.
- The Test USIM shall be inserted.

##### 7.4.2.9.1.2.2 Definition of system information messages

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

##### 7.4.2.9.1.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		:->	CM SERVICE REQUEST	MM
2		<:-	CM SERVICE ACCEPT	MM
3		:->	SET UP	CC
4		<:-	CALL PROCEEDING	CC
5		<:-	RADIO BEARER SETUP	RRC RAB SETUP
6		:->	RADIO BEARER SETUP COMPLETE	RRC
7		<:-	ALERTING	CC
8		<:-	CONNECT	CC
9		:->	CONNECT ACKNOWLEDGE	CC

#### 7.4.2.9.1.2.4 Specific message contents

FFS

7.4.2.9.2 Transition to PS+CS-DCCH+DTCH DCH (procedure P23 and 24)7.4.2.9.2.1 Mobile terminating call7.4.2.9.2.1.1 Initial conditionsSystem Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

7.4.2.9.2.1.2 Definition of system information messages

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

7.4.2.9.2.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

<u>Step</u>	<u>Direction</u>		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
<u>1</u>		<u>&lt;:-</u>	<u>PAGING TYPE2 (DCCH)</u>	<u>Paging</u>
<u>2</u>		<u>:-&gt;</u>	<u>PAGING RESPONSE</u>	<u>RR</u>
<u>3</u>		<u>&lt;:-</u>	<u>AUTHENTICATION REQUEST</u>	<u>MM</u>
<u>4</u>		<u>:-&gt;</u>	<u>AUTHENTICATION RESPONSE</u>	<u>MM</u>
<u>5</u>		<u>&lt;:-</u>	<u>SECURITY MODE COMMAND</u>	<u>RRC</u>
<u>6</u>		<u>:-&gt;</u>	<u>SECURITY MODE COMPLETE</u>	<u>RRC</u>
<u>7</u>		<u>&lt;:-</u>	<u>SET UP</u>	<u>CC</u>
<u>8</u>		<u>:-&gt;</u>	<u>CALL CONFIRMED</u>	<u>CC</u>
<u>9</u>		<u>&lt;:-</u>	<u>RADIO BEARER SETUP</u>	<u>RRC RAB SETUP</u>
<u>10</u>		<u>:-&gt;</u>	<u>RADIO BEARER SETUP COMPLETE</u>	<u>RRC</u>
<u>11</u>		<u>:-&gt;</u>	<u>ALERTING</u>	<u>CC (this message is optional)</u>
<u>12</u>		<u>:-&gt;</u>	<u>CONNECT</u>	<u>CC</u>
<u>13</u>		<u>&lt;:-</u>	<u>CONNECT ACKNOWLEDGE</u>	<u>CC</u>

7.4.2.9.2.1.4 Specific message contents

FFS

7.4.2.9.2.2 Mobile originating calls7.4.2.9.2.2.1 Initial conditionsSystem Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

#### 7.4.2.9.2.2.2 Definition of system information messages

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

#### 7.4.2.9.2.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

<u>Step</u>	<u>Direction</u>		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
<u>1</u>		<u>⇒</u>	<u>CM SERVICE REQUEST</u>	<u>MM</u>
<u>2</u>		<u>⇐</u>	<u>AUTHENTICATION REQUEST</u>	<u>MM</u>
<u>3</u>		<u>⇒</u>	<u>AUTHENTICATION RESPONSE</u>	<u>MM</u>
<u>4</u>		<u>⇐</u>	<u>SECURITY MODE COMMAND</u>	<u>RRC</u>
<u>5</u>		<u>⇒</u>	<u>SECURITY MODE COMPLETE</u>	<u>RRC</u>
<u>6</u>		<u>⇒</u>	<u>SET UP</u>	<u>CC</u>
<u>7</u>		<u>⇐</u>	<u>CALL PROCEEDING</u>	<u>CC</u>
<u>8</u>		<u>⇐</u>	<u>RADIO BEARER SETUP</u>	<u>RRC RAB SETUP</u>
<u>9</u>		<u>⇒</u>	<u>RADIO BEARER SETUP COMPLETE</u>	<u>RRC</u>
<u>10</u>		<u>⇐</u>	<u>ALERTING</u>	<u>CC</u>
<u>11</u>		<u>⇐</u>	<u>CONNECT</u>	<u>CC</u>
<u>12</u>		<u>⇒</u>	<u>CONNECT ACKNOWLEDGE</u>	<u>CC</u>

#### 7.4.2.9.2.2.4 Specific message contents

FFS



3GPP TSG-T1 Meeting #17  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002

T1-020818

3GPP TSG-T1/SIG Meeting #26  
Luton, UK, 4<sup>th</sup> – 8<sup>th</sup> Nov 2002

T1S020838

CR-Form-v6.1

## CHANGE REQUEST

⌘ **34.108 CR 168** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘  
**Spec Title:** User Equipment (UE) conformance specification;  
 Part 1: Protocol conformance specification

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

**Proposed change affects:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

**Title:** ⌘ CR to TS34.108 Rel-4 ; Addition to clause 7.4 for multi call as T1S-020577rev2 (revision to T1S020820)

**Source:** ⌘ Panasonic

**Work item code:** ⌘ TEI **Date:** ⌘ 4/11/2002

**Category:** ⌘ **A** **Release:** ⌘ **REL-4**

*Use one of the following categories:*  
**F** (correction)  
**A** (corresponds to a correction in an earlier release)  
**B** (addition of feature),  
**C** (functional modification of feature)  
**D** (editorial modification)  
 Detailed explanations of the above categories can be found in 3GPP [TR 21.900](#).

*Use one of the following releases:*  
**2** (GSM Phase 2)  
**R96** (Release 1996)  
**R97** (Release 1997)  
**R98** (Release 1998)  
**R99** (Release 1999)  
**REL-4** (Release 4)  
**REL-5** (Release 5)

**Reason for change:** ⌘ There are no initial test states and common procedures for multi call testing in current specification.

**Summary of change:** ⌘ The following new initial states and common procedure is added in clause 7.4

PS+CS-DCCH+DTCH DCH (State 6-14)

This new state is generated from adding CS RAB to PS-DCCH+DTCH DCH/FACH state (State 6-10 or 6-11) or adding PS RAB to CS DCCH+DTCH state (state 6-9) in clause 7.4.

CS+CS-DCCH+DTCH DCH (State 6-15)

This new state is generated from adding CS RAB to CS DCCH+DTCH state (state 6-9) in clause 7.4.

PS+PS-DCCH+DTCH DCH (State 6-16)

This new state is generated from adding PS RAB to PS-DCCH+DTCH DCH/FACH state (State 6-10 or 6-11) in clause 7.4.

The revisions from T1S-020577 is as follows.

Clause 7.4.2.8.1.2.3

- REQUEST PDP CONTEXT ACTIVATION is removed because this message

isn't needed in mobile originating sessions.

Clause 7.4.2.8.2.1.3

- SEVICE ACCEPT is added because this message is needed as a response to SERVICE REQUEST in setting up PS RAB.

Clause 7.4.2.8.2.2.3

- REQUEST PDP CONTEXT ACTIVAION is removed because this message isn't needed in mobile originating sessions.
- SEVICE ACCEPT is added because this message is needed as a response to SERVICE REQUEST in setting up PS RAB.

Clause 7.4.2.9.1.2.3

- SERVICE REQUEST and SEVICE ACCEPT is added because this message is needed in setting up CS RAB in mobile originating sessions.

Figure 7.4.1.1

- One State 13 changed into State 6-12 (there were 2 state 6-13s, and one should be Cell-PCH, and state 6-12)

[Correction to T1S-020722 due to comment from Sony and Ericsson.](#)

- [CM SERVICE REQUEST and CM SERVICE ACCEPT is MM message in clause 7.4.2.9.1.2.3.](#)

Correction to T1S020819 (clause 7.4.2.9.1.2.3)

- SERVICE REQUEST is corrected to CM SERVICE REQUEST.
- SERVICE ACCEPT is corrected to CM SERVICE ACCEPT.

**Consequences if not approved:**

⌘ There are no initial test states and common procedures for multi call testing

**Clauses affected:**

⌘ 7.4

**Other specs affected:**

⌘  Other core specifications ⌘

Test specifications

O&M Specifications

**Other comments:**

⌘ Affects Rel-4

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

Comprehensive information and tips about how to create CRs can be found at: [http://www.3gpp.org/3G\\_Specs/CRs.htm](http://www.3gpp.org/3G_Specs/CRs.htm). Below is a brief summary:

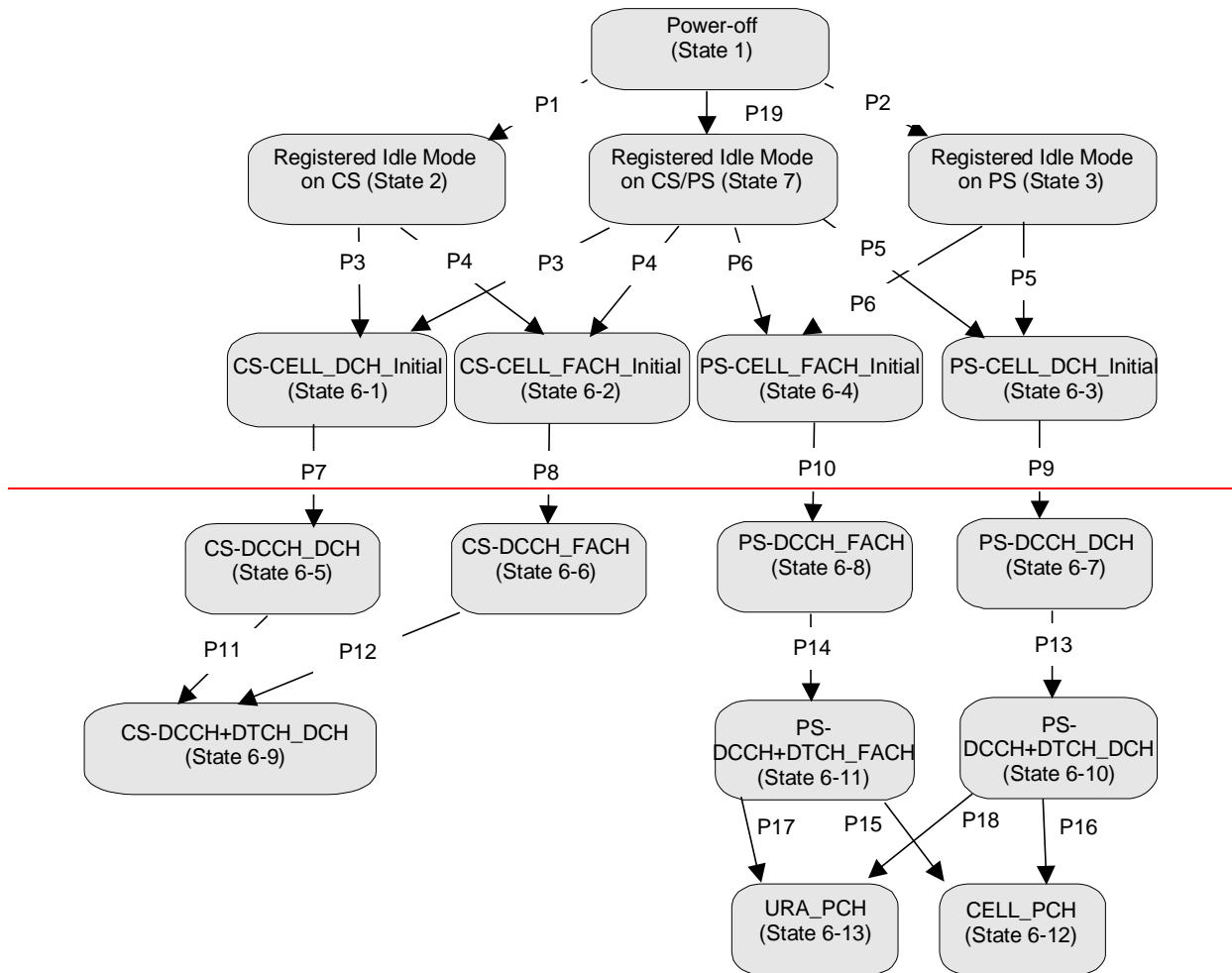
- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes")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

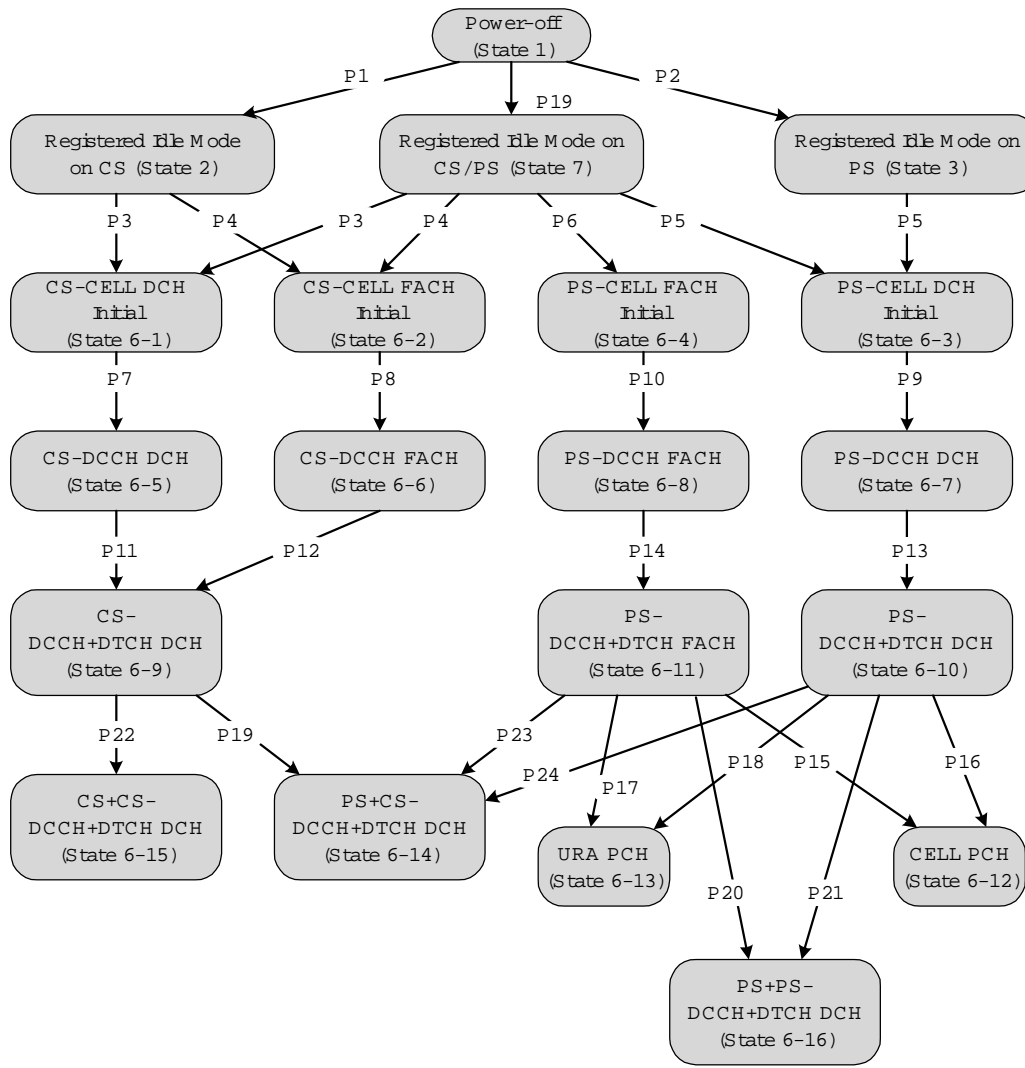
## 7 Generic setup procedures

### 7.1 Basic Generic Procedures

### 7.4 Common generic procedures for AS testing

#### 7.4.1 UE RRC Test States for common procedures





**Figure 7.4.1.1: UE RRC test initial states and common procedures**

For UE to set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.4.1.1, the operating states for various protocols in the UE are given in table 7.4.1.1.

It is noted that figure 7.4.1.1 should not be construed as a formal state transition diagram, in any manner. The intention here is to define the starting state of UE following the execution of the procedures indicated above.

Table 7.4.1.1: The UE states

		RRC	CC	MM	SM	GMM
State 1	Power OFF	----	Null	Detached	Inactive	Detached
State 2	Registered Idle Mode on CS	Idle	Null	Idle	Inactive	Detached
State 3	Registered Idle Mode on PS	Idle	Null	Detached	Inactive	Idle
State 7	Registered Idle Mode on CS/PS	Idle	Null	Idle	Inactive	Idle
State BGP6-1	CS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-2	CS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-3	PS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-4	PS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-5	CS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Inactive	As previous
State BGP6-6	CS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Inactive	As previous
State BGP6-7	PS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Active pending	As previous
State BGP6-8	PS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Active pending	As previous
State BGP6-9	CS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Connected	As previous	Inactive	As previous
State BGP6-10	PS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Null	As previous	Active	As previous
State BGP6-11	PS-DCCH+DTCH_FACH	Connected (CELL_FACH)	Null	As previous	Active	As previous
State BGP6-12	CELL_PCH	Connected (CELL_PCH)	Null	As previous	Inactive	As previous
State BGP6-13	URA_PCH	Connected (URA_PCH)	Null	As previous	Inactive	As previous
<a href="#">State BGP6-14</a>	<a href="#">PS+CS-DCCH+DTCH_DCH</a>	<a href="#">Connected (CELL_DCH)</a>	<a href="#">Connected</a>	<a href="#">As previous</a>	<a href="#">Active</a>	<a href="#">As previous</a>
<a href="#">State BGP6-15</a>	<a href="#">CS+CS-DCCH+DTCH_DCH</a>	<a href="#">Connected (CELL_DCH)</a>	<a href="#">Connected</a>	<a href="#">As previous</a>	<a href="#">Inactive</a>	<a href="#">As previous</a>
<a href="#">State BGP6-16</a>	<a href="#">PS+PS-DCCH+DTCH_DCH</a>	<a href="#">Connected (CELL_DCH)</a>	<a href="#">Null</a>	<a href="#">As previous</a>	<a href="#">Active</a>	<a href="#">As previous</a>

State 1, state 2, state 3, P1, P2 and P19 are described in TS34.108 clause 7.2. States 6-X (for X=1 to 16) are described below.

## 7.4.2 Generic Setup Procedure for RRC test cases

### 7.4.2.1 RRC connection establishment procedure for circuit-switched calls (procedure P3 and P4)

#### 7.4.2.1.1 Mobile terminating call

##### 7.4.2.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

#### 7.4.2.1.1.2 Definition of system information messages

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

#### 7.4.2.1.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PAGING TYPE 1 (PCCH)	RRC
2	-->		RRC CONNECTION REQUEST (CCCH)	RRC
3	<--		RRC CONNECTION SETUP (CCCH)	RRC
4	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	-->		PAGING RESPONSE	RR

#### 7.4.2.1.1.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 Annex A is used.

#### 7.4.2.1.2 Mobile originating calls

##### 7.4.2.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

##### 7.4.2.1.2.2 Definition of system information messages

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

##### 7.4.2.1.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		RRC CONNECTION REQUEST (CCCH)	RRC
2	<--		RRC CONNECTION SETUP (CCCH)	RRC
3	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	-->		CM SERVICE REQUEST	MM

##### 7.4.2.1.2.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 Annex A is used.

## 7.4.2.2 RRC connection establishment procedure for packet switched sessions (procedure P5 and P6)

### 7.4.2.2.1 Mobile terminating session

#### 7.4.2.2.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

#### 7.4.2.2.1.2 Definition of system information messages

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

#### 7.4.2.2.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PAGING TYPE1 (PCCH)	Paging
2	-->		RRC CONNECTION REQUEST (CCCH)	RRC
3	<--		RRC CONNECTION SETUP (CCCH)	RRC
4	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	-->		SERVICE REQUEST	GMM

#### 7.4.2.2.1.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 Annex A is used.

### 7.4.2.2.2 Mobile originating sessions

#### 7.4.2.2.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

#### 7.4.2.2.2.2 Definition of system information messages

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

#### 7.4.2.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		RRC CONNECTION REQUEST (CCCH)	RRC
2	<--		RRC CONNECTION SETUP (CCCH)	RRC
3	-->		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	-->		SERVICE REQUEST	GMM

#### 7.4.2.2.2.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL\_FACH" in TS 34.123-1 annex. A is used.

### 7.4.2.3 NAS call set up procedure for circuit switched calls (procedure P7 and P8)

#### 7.4.2.3.1 Mobile terminating call

##### 7.4.2.3.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.
- The Test USIM shall be inserted.

##### 7.4.2.3.1.2 Definition of system information messages

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

##### 7.4.2.3.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		AUTHENTICATION REQUEST	MM
2	-->		AUTHENTICATION RESPONSE	MM
3	<--		SECURITY MODE COMMAND	RRC
4	-->		SECURITY MODE COMPLETE	RRC
5	<--		SET UP	CC
6	-->		CALL CONFIRMED	CC

##### 7.4.2.3.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.



### 7.4.2.3.2 Mobile originating calls

#### 7.4.2.3.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.
- The Test USIM shall be inserted.

#### 7.4.2.3.2.2 Definition of system information messages

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

#### 7.4.2.3.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		AUTHENTICATION REQUEST	MM
2	-->		AUTHENTICATION RESPONSE	MM
3	<--		SECURITY MODE COMMAND	RRC
4	-->		SECURITY MODE COMPLETE	RRC
5	-->		SET UP	CC
6	<--		CALL PROCEEDING	CC

#### 7.4.2.3.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

### 7.4.2.4 NAS session activation procedure for packet switched sessions (procedure P9 and P10)

#### 7.4.2.4.1 Mobile terminating session

##### 7.4.2.4.1.1 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.

##### 7.4.2.4.1.2 Definition of system information messages

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

##### 7.4.2.4.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 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	<--		REQUEST PDP CONTEXT ACTIVATION	SM
6	-->		ACTIVATE PDP CONTEXT REQUEST	SM

#### 7.4.2.4.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

#### 7.4.2.4.2 Mobile originating sessions

##### 7.4.2.4.2.1 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.

##### 7.4.2.4.2.2 Definition of system information messages

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

##### 7.4.2.4.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 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 PDP CONTEXT REQUEST	SM

#### 7.4.2.4.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS34.108.

#### 7.4.2.5 Radio access bearer establishment procedure for circuit switched calls (procedure P11 and P12)

##### 7.4.2.5.1 Mobile terminating call

##### 7.4.2.5.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

#### 7.4.2.5.1.2 Definition of system information messages

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

#### 7.4.2.5.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	-->		ALERTING	CC (This message is optional)
4	-->		CONNECT	CC
5	<--		CONNECT ACKNOWLEDGE	CC

#### 7.4.2.5.1.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in clause 9 of TS 34.108) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in annex A of TS 34.123-1) for the message in step 1.

#### 7.4.2.5.2 Mobile originating calls

##### 7.4.2.5.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

##### 7.4.2.5.2.2 Definition of system information messages

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

##### 7.4.2.5.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	<--		ALERTING	CC
4	<--		CONNECT	CC
5	-->		CONNECT ACKNOWLEDGE	CC

#### 7.4.2.5.2.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in Annex A of TS 34.123-1) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in annex A of TS 34.123-1) for the message in step 1.

### 7.4.2.6 Radio access bearer establishment procedure for packet switched sessions (procedure P13 and P14)

#### 7.4.2.6.1 Mobile terminating session

##### 7.4.2.6.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

##### 7.4.2.6.1.2 Definition of system information messages

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

##### 7.4.2.6.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	<--		ACTIVATE PDP CONTEXT ACCEPT	SM

##### 7.4.2.6.1.4 Specific message contents

For step 1, the messages in annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL\_DCH from CELL\_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL\_FACH from CELL\_FACH in PS".

#### 7.4.2.6.2 Mobile originating sessions

##### 7.4.2.6.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

##### 7.4.2.6.2.2 Definition of system information messages

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

## 7.4.2.6.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		RADIO BEARER SETUP	RRC RAB SETUP
2	-->		RADIO BEARER SETUP COMPLETE	RRC
3	<--		ACTIVATE PDP CONTEXT ACCEPT	SM

## 7.4.2.6.2.4 Specific message contents

For step 1, the messages in Annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL\_DCH from CELL\_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL\_FACH from CELL\_FACH in PS".

## 7.4.2.7 Procedure for transitions to CELL\_PCH or URA\_PCH state (procedure P15, P16, P17 and P18)

## 7.4.2.7.1 Transition to CELL\_PCH (procedure P15 and P16)

## 7.4.2.7.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

## 7.4.2.7.1.2 Definition of system information messages

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

## 7.4.2.7.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PHYSICAL CHANNEL RECONFIGURATION	RRC
2	-->		PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

## 7.4.2.7.1.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type RRC State Indicator	CELL_PCH

### 7.4.2.7.2 Transition to URA\_PCH (procedure P17 and P18)

#### 7.4.2.7.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

#### 7.4.2.7.2.2 Definition of system information messages

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

#### 7.4.2.7.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		PHYSICAL CHANNEL RECONFIGURATION	RRC
2	-->		PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

#### 7.4.2.7.2.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type RRC State Indicator	URA_PCH

### [7.4.2.8 Radio access bearer establishment procedure with packet switched sessions for transitions to Multi Call state \(procedure P19, 20 and 21\)](#)

#### [7.4.2.8.1 Transition to PS+CS-DCCH+DTCH DCH \(procedure P19\)](#)

##### [7.4.2.8.1.1 Mobile terminating session](#)

###### [7.4.2.8.1.1.1 Initial conditions](#)

[System Simulator:](#)

- [1 cell, default parameters.](#)

[User Equipment:](#)

- [The UE shall be in state 6-9.](#)
- [The Test USIM shall be inserted.](#)

###### [7.4.2.8.1.1.2 Definition of system information messages](#)

[The default system information messages are used as specified in clause 6.1 of TS 34.108.](#)

### 7.4.2.8.1.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		<--	PAGING TYPE2 (DCCH)	Paging
2		-->	SERVICE REQUEST	GMM
3		<--	AUTHENTICATION AND CIPHERING REQUEST	GMM
4		-->	AUTHENTICATION AND CIPHERING RESPONSE	GMM
5		<--	SECURITY MODE COMMAND	RRC
6		-->	SECURITY MODE COMPLETE	RRC
7		<--	REQUEST PDP CONTEXT ACTIVATION	SM
8		-->	ACTIVATE PDP CONTEXT REQUEST	SM
9		<--	RADIO BEARER SETUP	RRC RAB SETUP
10		-->	RADIO BEARER SETUP COMPLETE	RRC
11		<--	ACTIVATE PDP CONTEXT ACCEPT	SM

### 7.4.2.8.1.1.4 Specific message contents

FFS

### 7.4.2.8.1.2 Mobile originating sessions

#### 7.4.2.8.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.
- The Test USIM shall be inserted.

#### 7.4.2.8.1.2.2 Definition of system information messages

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

#### 7.4.2.8.1.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		-->	SERVICE REQUEST	GMM
2		<--	AUTHENTICATION AND CIPHERING REQUEST	GMM
3		-->	AUTHENTICATION AND CIPHERING RESPONSE	GMM
4		<--	SECURITY MODE COMMAND	RRC
5		-->	SECURITY MODE COMPLETE	RRC
6		-->	ACTIVATE PDP CONTEXT REQUEST	SM
7		<--	RADIO BEARER SETUP	RRC RAB SETUP
8		-->	RADIO BEARER SETUP COMPLETE	RRC
9		<--	ACTIVATE PDP CONTEXT ACCEPT	SM

[7.4.2.8.1.2.4 Specific message contents](#)[FFS](#)[7.4.2.8.2 Transition to PS+PS-DCCH+DTCH DCH \(procedure P20 and P21\)](#)[7.4.2.8.2.1 Mobile terminating session](#)[7.4.2.8.2.1.1 Initial conditions](#)[System Simulator:](#)[- 1 cell, default parameters.](#)[User Equipment:](#)[- The UE shall be in state 6-10 or state 6-11.](#)[- The Test USIM shall be inserted.](#)[7.4.2.8.2.1.2 Definition of system information messages](#)[The default system information messages are used as specified in clause 6.1 of TS 34.108.](#)[7.4.2.8.2.1.3 Procedure](#)[The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.](#)

Step	Direction		Message	Comments
	UE	SS		
1	<:-		PAGING TYPE2 (DCCH)	Paging
2	:->		SERVICE REQUEST	GMM
3	<:-		SERVICE ACCEPT	GMM
4	<:-		REQUEST PDP CONTEXT ACTIVATION	SM
5	:->		ACTIVATE PDP CONTEXT REQUEST	SM
6	<:-		RADIO BEARER SETUP	RRC RAB SETUP
7	:->		RADIO BEARER SETUP COMPLETE	RRC
8	<:-		ACTIVATE PDP CONTEXT ACCEPT	SM

[7.4.2.8.2.1.4 Specific message contents](#)[FFS](#)[7.4.2.8.2.2 Mobile originating sessions](#)[7.4.2.8.2.2.1 Initial conditions](#)[System Simulator:](#)[- 1 cell, default parameters.](#)[User Equipment:](#)[- The UE shall be in state 6-10 or state 6-11.](#)[- The Test USIM shall be inserted.](#)



#### 7.4.2.8.2.2.2 Definition of system information messages

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

#### 7.4.2.8.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		-->	SERVICE REQUEST	GMM
2		<--	SERVICE ACCEPT	GMM
3		-->	ACTIVATE PDP CONTEXT REQUEST	SM
4		<--	RADIO BEARER SETUP	RRC RAB SETUP
5		-->	RADIO BEARER SETUP COMPLETE	RRC
6		<--	ACTIVATE PDP CONTEXT ACCEPT	SM

#### 7.4.2.8.2.2.4 Specific message contents

FFS

### 7.4.2.9 Radio access bearer establishment procedure with circuit switched calls for transitions to Multi Call state (procedure P22, P23 and P24)

#### 7.4.2.9.1 Transition to CS+CS-DCCH+DTCH DCH (procedure P22)

##### 7.4.2.9.1.1 Mobile terminating call

##### 7.4.2.9.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.
- The Test USIM shall be inserted.

##### 7.4.2.9.1.1.2 Definition of system information messages

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

##### 7.4.2.9.1.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		<:-	PAGING TYPE2 (DCCH)	Paging
2		:->	PAGING RESPONSE	RR
3		<:-	SET UP	CC
4		:->	CALL CONFIRMED	CC
5		<:-	RADIO BEARER SETUP	RRC RAB SETUP
6		:->	RADIO BEARER SETUP COMPLETE	RRC
7		:->	ALERTING	CC (this message is optional)
8		:->	CONNECT	CC
9		<:-	CONNECT ACKNOWLEDGE	CC

#### 7.4.2.9.1.1.4 Specific message contents

FFS

#### 7.4.2.9.1.2 Mobile originating calls

##### 7.4.2.9.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.
- The Test USIM shall be inserted.

##### 7.4.2.9.1.2.2 Definition of system information messages

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

##### 7.4.2.9.1.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1		:->	CM SERVICE REQUEST	MM
2		<:-	CM SERVICE ACCEPT	MM
3		:->	SET UP	CC
4		<:-	CALL PROCEEDING	CC
5		<:-	RADIO BEARER SETUP	RRC RAB SETUP
6		:->	RADIO BEARER SETUP COMPLETE	RRC
7		<:-	ALERTING	CC
8		<:-	CONNECT	CC
9		:->	CONNECT ACKNOWLEDGE	CC

#### 7.4.2.9.1.2.4 Specific message contents

FFS

7.4.2.9.2 Transition to PS+CS-DCCH+DTCH DCH (procedure P23 and 24)7.4.2.9.2.1 Mobile terminating call7.4.2.9.2.1.1 Initial conditionsSystem Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

7.4.2.9.2.1.2 Definition of system information messages

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

7.4.2.9.2.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

<u>Step</u>	<u>Direction</u>		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
<u>1</u>		<u>&lt;:-</u>	<u>PAGING TYPE2 (DCCH)</u>	<u>Paging</u>
<u>2</u>		<u>:-&gt;</u>	<u>PAGING RESPONSE</u>	<u>RR</u>
<u>3</u>		<u>&lt;:-</u>	<u>AUTHENTICATION REQUEST</u>	<u>MM</u>
<u>4</u>		<u>:-&gt;</u>	<u>AUTHENTICATION RESPONSE</u>	<u>MM</u>
<u>5</u>		<u>&lt;:-</u>	<u>SECURITY MODE COMMAND</u>	<u>RRC</u>
<u>6</u>		<u>:-&gt;</u>	<u>SECURITY MODE COMPLETE</u>	<u>RRC</u>
<u>7</u>		<u>&lt;:-</u>	<u>SET UP</u>	<u>CC</u>
<u>8</u>		<u>:-&gt;</u>	<u>CALL CONFIRMED</u>	<u>CC</u>
<u>9</u>		<u>&lt;:-</u>	<u>RADIO BEARER SETUP</u>	<u>RRC RAB SETUP</u>
<u>10</u>		<u>:-&gt;</u>	<u>RADIO BEARER SETUP COMPLETE</u>	<u>RRC</u>
<u>11</u>		<u>:-&gt;</u>	<u>ALERTING</u>	<u>CC (this message is optional)</u>
<u>12</u>		<u>:-&gt;</u>	<u>CONNECT</u>	<u>CC</u>
<u>13</u>		<u>&lt;:-</u>	<u>CONNECT ACKNOWLEDGE</u>	<u>CC</u>

7.4.2.9.2.1.4 Specific message contents

FFS

7.4.2.9.2.2 Mobile originating calls7.4.2.9.2.2.1 Initial conditionsSystem Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

#### 7.4.2.9.2.2.2 Definition of system information messages

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

#### 7.4.2.9.2.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

<u>Step</u>	<u>Direction</u>		<u>Message</u>	<u>Comments</u>
	<u>UE</u>	<u>SS</u>		
<u>1</u>		<u>⇒</u>	<u>CM SERVICE REQUEST</u>	<u>MM</u>
<u>2</u>		<u>⇐</u>	<u>AUTHENTICATION REQUEST</u>	<u>MM</u>
<u>3</u>		<u>⇒</u>	<u>AUTHENTICATION RESPONSE</u>	<u>MM</u>
<u>4</u>		<u>⇐</u>	<u>SECURITY MODE COMMAND</u>	<u>RRC</u>
<u>5</u>		<u>⇒</u>	<u>SECURITY MODE COMPLETE</u>	<u>RRC</u>
<u>6</u>		<u>⇒</u>	<u>SET UP</u>	<u>CC</u>
<u>7</u>		<u>⇐</u>	<u>CALL PROCEEDING</u>	<u>CC</u>
<u>8</u>		<u>⇐</u>	<u>RADIO BEARER SETUP</u>	<u>RRC RAB SETUP</u>
<u>9</u>		<u>⇒</u>	<u>RADIO BEARER SETUP COMPLETE</u>	<u>RRC</u>
<u>10</u>		<u>⇐</u>	<u>ALERTING</u>	<u>CC</u>
<u>11</u>		<u>⇐</u>	<u>CONNECT</u>	<u>CC</u>
<u>12</u>		<u>⇒</u>	<u>CONNECT ACKNOWLEDGE</u>	<u>CC</u>

#### 7.4.2.9.2.2.4 Specific message contents

FFS

3GPP TSG- T1 Meeting #17  
Luton, UK, 4 – 8 Nov 02

Tdoc # T1-020819

3GPP TSG-T1 Sig SWG #26  
Luton, UK 4 – 8 Nov 02

Tdoc # T1-020857

CR-Form-v7
<b>CHANGE REQUEST</b>
⌘ <b>34.108 CR 169</b> ⌘ rev - ⌘ Current version: <b>4.4.0</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>	⌘ RAB Combinations for IMS Services		
<b>Source:</b>	⌘ Hutchison 3G UK		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 06/11/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ RABs for support of IMS voice call is not defined as part of the conformance and testing specifications.
<b>Summary of change:</b>	⌘ It is proposed to add the following combinations of RABs and signalling RBs 1. Conversational / speech / UL:42.8 DL:42.8 kbps / PS RAB + Interactive / UL:16 DL:16 kbps / PS RAB + Interactive / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH  2. 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  <u>Isolated Impact Analysis:</u> The CR only defines reference RAB configurations for a test specification. Would not affect implementations. This CR has no impact with the previous version of the specification.
<b>Consequences if not approved:</b>	⌘ No RABs will be defined for supporting IMS Services.

<b>Clauses affected:</b>	⌘ New Annex B and sect 6.10.2 of the future Rel5 version of TS 34.108										
<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> Other core specifications Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	TS 34.123
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										

**Other comments:** ☞ Once a Rel 5 version of the spec has been created, the contents of Annex B as proposed in this CR will be merged into this new version.

**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.

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

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

It should be noted that the parameters of the RAB combinations were approved by RAN1 and RAN 2 in July 2002 and that T1 agreed that the RABs should be subjected to test coverage at the appropriate time. The fact that this annex is informative does not in any way reduce the validity of the RABs.

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

### 6.10.2 RAB and signalling RB for FDD

#### 6.10.2.1 RABs and signalling RBs

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

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

**Table 6.10.2.1.1: Prioritised RABs.**

37	Conversational	N/A	UL:42.8 DL:42.8	PS
----	----------------	-----	-----------------	----

#### 6.10.2.2 Combinations of RABs and Signalling RBs

Combinations on DPCH

- 58) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB  
+ Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 59) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB  
+ Interactive or background / UL:16 DL:16 kbps / PS RAB  
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

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

6.10.2.4.1. 59.1 Uplink

6.10.2.4.1. 59.1.1 Transport channel parameters

6.10.2.4.1. 59.1.1.1 Transport channel parameters for Conversational / speech / UL:42.8 kbps / PS RAB

Higher layer	RAB/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. [59.1.1.2](#) Transport channel parameters for Interactive / UL:16kbps / PS RAB + UL:16 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	16000	16000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	4	4	
	MAC multiplexing	2 logical channel multiplexing		
Layer 1	TrCH type	DCH		
	TB sizes, bit	340		
	TFS	TF0, bits	0x340	
		TF1, bits	1x340	
		TF2, bits	2X340	
	TTI, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	2148		
	Uplink: Max number of bits/radio frame before rate matching	537		
RM attribute	135-175			

6.10.2.4.1. [59.1.1.3](#) Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause [6.10.2.4.1.2.1.1.1](#)

6.10.2.4.1. [59.1.1.4](#) TFCS

<b>TFCS size</b>	<b>24</b>
<b>TFCS</b>	(42.8 kbps Conversational RAB, Interactive 16kbps+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. [59.1.2](#) 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. [59.2](#) Downlink

6.10.2.4.1. [59.2.1](#) Transport channel parameters

6.10.2.4.1. [59.2.1.1](#) Transport channel parameters for Conversational / speech / DL:42.8 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
PDCP	PDCP header size, bit	8	
RLC	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. [59.2.1.2](#) Transport channel parameters for Interactive / DL:16kbps / PS RAB + DL:16 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	16000	16000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	4	4	
	MAC multiplexing	2 logical channel multiplexing		
Layer 1	TrCH type	DCH		
	TB sizes, bit	340		
	TFS	TF0, bits	0x340	
		TF1, bits	1x340	
		TF2, bits	2X340	
	TTI, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	2148		
RM attribute	135-175			

6.10.2.4.1. [59.2.1.3](#) Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause [6.10.2.4.1.2.2.1.1](#)

6.10.2.4.1. [59.2.1.4](#) TFCS

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

6.10.2.4.1. 59.2.2 Physical channel parameters

DPCH 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

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

## 6.10.2.4.1. 60.1 Uplink

## 6.10.2.4.1. 60.1.1 Transport channel parameters

## 6.10.2.4.1. 60.1.1.1 Transport channel parameters for Conversational / speech / UL:42.8 kbps / PS RAB

Higher layer	RAB/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](#) Downlink6.10.2.4.1. [60.2.1](#) Transport channel parameters6.10.2.4.1. [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 RABSee 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 DCCHSee 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
		<b>Spreading factor</b>	
DPCCH		Number of TFCl 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

---

## Annex C (informative): Change history

CR-Form-v7	
<b>CHANGE REQUEST</b>	
# <b>34.108 CR 170</b> # rev <b>-</b> #	Current version: <b>3.9.0</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 Contents of the Scheduling Block System Information in clause 6.1.3.		
<b>Source:</b>	# Motorola and MCC 160		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 29/10/2002
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# R99
	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: <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>	# 1) The Scheduling Information for the SIB5 is removed (as it is already present in MIB). 2) The SIB Position and SIB Repetition is modified
<b>Summary of change:</b>	# • Modified the clause 6.1.3 , for the contents of the Scheduling Block
<b>Consequences if not approved:</b>	# UE will not work correctly.

<b>Clauses affected:</b>	# 6.1.3								
<b>Other specs affected:</b>	<table border="1" style="font-size: x-small;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Y	N	X				Other core specifications	# 34.123-1 Clause 14.4.2.2
	Y	N							
	X								
		Test specifications							
		O&M Specifications							
<b>Other comments:</b>	#								

**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.

### 6.1.3 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.)

[<Start of Modified section >](#)

Contents of Scheduling Block 1

- References to other system information blocks	
<del>- Scheduling information</del>	<del>Cell Value tag</del>
<del>- CHOICE Value tag</del>	<del>4</del>
<del>- Cell Value tag</del>	<del>3</del>
<del>- SEG_COUNT</del>	<del>128</del>
<del>- SIB_REP</del>	<del>26</del>
<del>- SIB_POS</del>	<del>2</del>
<del>- SIB_POS offset info</del>	<del>2</del>
<del>- SIB_OFF</del>	<del>2</del>
<del>- SIB_OFF</del>	<del>System Information Type 5</del>
<del>- SIB type SIBs only</del>	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	1
- SEG_COUNT	<del>128</del> 16
- SIB_REP	<del>224</del>
- SIB_POS	Not Present – use default
- SIB_POS offset info	System Information Type 7
- SIB type SIBs only	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	<del>23</del>
- SEG_COUNT	<del>128</del> 64
- SIB_REP	58
- SIB_POS	2
- SIB_POS offset info	<del>2</del>
- SIB_OFF	System Information Type 11
<del>- SIB_OFF</del>	
- SIB type SIBs only	Cell Value tag
- Scheduling information	1
- CHOICE Value tag	<del>2</del> 3
- Cell Value tag	<del>128</del> 64
- SEG_COUNT	<del>106</del> 26
- SIB_REP	2
- SIB_POS	<del>2</del>
- SIB_POS offset info	System Information Type 12
- SIB_OFF	
<del>- SIB_OFF</del>	
- SIB type SIBs only	PLMN Value tag
- Scheduling information	
- CHOICE Value tag	



- PLMN Value tag	1
- SEG_COUNT	<del>6</del> 1
- SIB_REP	<del>128</del> 64
- SIB_POS	<del>74</del> 36
- SIB_POS offset info	<u>NOT Present</u>
<del>→ SIB_OFF</del>	<del>2</del>
<del>→ SIB_OFF</del>	<del>2</del>
<del>→ SIB_OFF</del>	<del>8</del>
<del>→ SIB_OFF</del>	<del>4</del>
<del>→ SIB_OFF</del>	<del>2</del>
- SIB type SIBs only	System Information Type 18

<End of Modified Section>

CR-Form-v7

## CHANGE REQUEST

# **34.108 CR 171** # rev **-** # Current version: **4.4.0** #

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 Contents of the Scheduling Block System Information in clause 6.1.3.		
<b>Source:</b>	# Motorola & MCC 160		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# 27/10/2002
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# Rel-4
	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>	# 1) The Scheduling Information for the SIB5 is removed (as it is already present in MIB). 2) The SIB Position and SIB Repetition is modified
<b>Summary of change:</b>	# Modified the clause 6.1.3 , for the contents of the Scheduling Block
<b>Consequences if not approved:</b>	# UE will not work correctly.

<b>Clauses affected:</b>	# 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;">X</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Y	N	X						Other core specifications	# 34.123-1 Clause 14.4.2.2
Y	N										
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.

### 6.1.3 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.)

[<Start of Modified section >](#)

#### Contents of Scheduling Block 1

- References to other system information blocks	
<del>- Scheduling information</del>	<del>Cell Value tag</del>
<del>- CHOICE Value tag</del>	<del>4</del>
<del>- Cell Value tag</del>	<del>3</del>
<del>- SEG_COUNT</del>	<del>128</del>
<del>- SIB_REP</del>	<del>26</del>
<del>- SIB_POS</del>	
<del>- SIB_POS offset info</del>	
<del>- SIB_OFF</del>	<del>2</del>
<del>- SIB_OFF</del>	<del>2</del>
<del>- SIB type SIBs only</del>	<del>System Information Type 5</del>
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	1
- SEG_COUNT	128 16
- SIB_REP	22 4
- SIB_POS	Not Present – use default
- SIB_POS offset info	System Information Type 7
- SIB type SIBs only	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	23
- SEG_COUNT	128 64
- SIB_REP	58
- SIB_POS	
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	23
- SEG_COUNT	128 64
- SIB_REP	106 26
- SIB_POS	
- 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	<del>6</del> 1
- SIB_REP	<del>128</del> 64
- SIB_POS	<del>74</del> 36
- SIB_POS offset info	<a href="#">Not Present</a>
<del>→ SIB_OFF</del>	<del>2</del>
<del>→ SIB_OFF</del>	<del>2</del>
<del>→ SIB_OFF</del>	<del>8</del>
<del>→ SIB_OFF</del>	<del>4</del>
<del>→ SIB_OFF</del>	<del>2</del>
- SIB type SIBs only	System Information Type 18

[<End of Modified Section>](#)