

Source: T1
Title: CR's to TS 34.108 v3.8.0 and v4.3.0 for approval
Agenda item: 5.1.3
Document for: Approval

This document contains 10 CRs to TS 34.108 v3.8.0, 10 CRs to TS 34.108 v4.3.0 and 1 CR for the creation of Rel-5. 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	122	-	R99	Alignment of reference configurations on S-CCPCH with default system information messages	F	3.8.0	3.9.0	T1-020502	
34.108	123	-	Rel-4	Alignment of reference configurations on S-CCPCH with default system information messages	A	4.3.0	4.4.0	T1-020503	TEI
34.108	124	-	R99	Addition of reference compressed mode pattern	F	3.8.0	3.9.0	T1-020504	
34.108	125	-	Rel-4	Addition of reference compressed mode pattern	A	4.3.0	4.4.0	T1-020505	TEI
34.108	126	-	R99	Corrections to default message contents as T1S-020346rev1	F	3.8.0	3.9.0	T1-020506	
34.108	127	-	Rel-4	Corrections to default message contents as T1S-020347rev1	A	4.3.0	4.4.0	T1-020507	TEI
34.108	128	-	R99	Additional default message contents for RF Testing	F	3.8.0	3.9.0	T1-020508	
34.108	129	-	Rel-4	Additional default message contents for RF Testing	A	4.3.0	4.4.0	T1-020509	TEI
34.108	130	-	R99	Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL message	F	3.8.0	3.9.0	T1-020526	
34.108	131	-	Rel-4	Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL message	A	4.3.0	4.4.0	T1-020527	TEI
34.108	132	-	R99	Corrections to clause 6.1 (T1S-020348rev1)	F	3.8.0	3.9.0	T1-020529	
34.108	133	-	Rel-4	Corrections to clause 6.1 (T1S-020349rev1)	A	4.3.0	4.4.0	T1-020530	TEI

CRs related to reference RAB configurations R99, Rel-4 and Rel-5:

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	134	-	R99	Introduction of reference configurations on S-CCPCH and PRACH with two interactive PS domain RABs	F	3.8.0	3.9.0	T1-020538	
34.108	135	-	Rel-4	Introduction of reference configurations on S-CCPCH and PRACH with two interactive PS domain RABs	A	4.3.0	4.4.0	T1-020539	TEI
34.108	136	-	R99	Removal of reference radio bearer configurations for unidirectional streaming CS RABa above 64 kbps	F	3.8.0	3.9.0	T1-020540	
34.108	137	-	Rel-4	Removal of reference radio bearer configurations for unidirectional streaming CS RABa above 64 kbps	A	4.3.0	4.4.0	T1-020541	TEI
34.108	138	-	Rel-5	RAB Combinations for IMS Services	F	4.3.0	5.0.0	T1-020544	IMS-TEST

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	139	-	R99	Some corrections and updates in clause 6.1 TS 34.108 for TDD mode	F	3.8.0	3.9.0	T1-020575	

34.108	140	-	Rel-4	Some corrections and updates in clause 6.1 for TDD mode	F	4.3.0	4.4.0	T1-020576	TEI, LCRTDD
34.108	141	-	R99	Inclusion of default message contents for RF in clause 9.2 for TDD mode	F	3.8.0	3.9.0	T1-020577	
34.108	142	-	Rel-4	Inclusion of default message contents for RF in clause 9.2 for TDD mode	F	4.3.0	4.4.0	T1-020578	TEI, LCRTDD

<small>CR-Form-v6.1</small>	
CHANGE REQUEST	
№	TS 34.108 CR 122
№ rev	-
№	Current version: 3.8.0
№	Spec Title: _____

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 34.108 REL-99; Alignment of reference configurations on S-CCPCH with default system information messages		
Source:	№ Ericsson		
Work item code:	№ -	Date:	№ 19/07/2002
Category:	№ F	Release:	№ R99
<i>Use one of the following categories:</i>		<i>Use one of the following releases:</i>	
F (correction)		2 (GSM Phase 2)	
A (corresponds to a correction in an earlier release)		R96 (Release 1996)	
B (addition of feature),		R97 (Release 1997)	
C (functional modification of feature)		R98 (Release 1998)	
D (editorial modification)		R99 (Release 1999)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900.		REL-4 (Release 4)	
		REL-5 (Release 5)	

Reason for change: №	<ol style="list-style-type: none">1. RM attribute is different between SIB 5 and SIB 6 for the same TrCH.2. The alternative TF TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH) needs to be removed from the default messages in SIB 5/6.3. The TFCS specification of the reference configurations for combinations on SCCPCH conflicts with the default messages in SIB 5/6.
Summary of change: №	<p>SCCPCH configuration in 6.1.0b</p> <ul style="list-style-type: none">• SIB 6: The RM attribute for the FACH carrying SRBs for CCCH/ DCCH and BCCH on SCCPCH is changed to 220 in order to be identical to the corresponding SIB 5 value. <p>SCCPCH configuration in 6.1.1 (T1-020279)</p> <ul style="list-style-type: none">• SIB 5: the alternative TF TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH has been removed. This removal affects both the TFCS and the TFS• SIB 6: as above <p>SCCPCH configuration in 6.1.2 (T1-020279)</p> <ul style="list-style-type: none">• The same changes to SIB 6 as in 6.1.1 <p>SCCPCH configuration in 6.1.3 (T1-020279)</p> <ul style="list-style-type: none">• The same changes to SIB 5 as in 6.1.1 <p>Reference configuration 6.10.2.4.3.2</p> <ul style="list-style-type: none">• TFCS specification: order of TrCH and the TFCS is aligned with the

	<p>default messages defined in clauses 6.1.1, 6.1.2 and 6.1.3</p> <ul style="list-style-type: none"> TFCS specification: An alternative TFCS containing the alternative TF (TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH) has been added, as done in other cases <p>Reference configuration 6.10.2.4.3.3</p> <ul style="list-style-type: none"> TFCS specification: order of TrCH and the TFCS is aligned with the default messages defined in clauses 6.1.0b TFCS specification: three alternative TFCS containing the alternative PCH TrBlk size 80 bits and the alternative TF (TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH) have been added, as done in other cases <p>Reference configuration 6.10.2.4.3.4</p> <ul style="list-style-type: none"> TFCS specification: order of TrCH is aligned with the default messages defined in clause 6.1.3
Consequences if not approved:	⌘ Inconsistency remains between the reference configurations and the default messages concerning the TFCS for S-CCPCH configurations.

Clauses affected:	⌘ 6.1.0b, 6.1.1, 6.1.2, 6.1.3, 6.10.2.4.3									
Other specs affected:	<table border="0"> <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&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									
Other comments:	<p>⌘ Affects R99, REL-4 and REL-5 UE test cases</p> <p>The changes in 6.1.1, 6.1.2 and 6.1.3 regarding TF3 are based on agreed Tdoc T1-020279.</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/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 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
- Cell selection_and_reselection_quality_- measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not Present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	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
- Cell selection_and_reselection_quality_measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,SsearchRAT	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 _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

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

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell_selection_and_reselection_quality_measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- S _{limit,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 _{barred}	Not present
- Access Class Barred	Not barred
- 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 (similar to SIB type3) (TDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell_selection_and_reselection_quality_measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- S _{limit,Ssearch} 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 _{barred}	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 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	11
- Gain factor β_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	
- 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)
- Primary CPICH DL 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	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
- Power offset information	Not Present
- CTFC information	5

- Power offset information	Not Present
- CTFC information	6
- Power offset information	Not Present
- CTFC information	8
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- 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#0)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#1)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#2)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#3)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#4)
- ASC Settings	

- 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 nd 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	
- CTFC information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Power offset information	Reference clause 6.10 Parameter Set
- FACH/PCH information	Not Present
- 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	Reference clause 6.10 Parameter Set
- 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	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	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	Reference clause 6.10 Parameter Set
- 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	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	Reference clause 6.10 Parameter Set
- 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	TDD
- CHOICE <i>mode</i>	0
- Timeslot number	Type 1
- Midamble shift and burst type	0
- CHOICE Burst Type	16/16
- Midamble Shift	64/2
- Channelisation code	0
- Repetition period/length	4
- Offset	4
- Paging indicator length	2
- N _{GAP}	4
- N _{PCH}	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	

- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition 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	
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	11
- Gain factor β_d	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- 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
- 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	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	Not Present
- Primary CPICH DL 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 info	
- Secondary CCPCH info	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition 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	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240 (PCCH)
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230 220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- 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 6 in connected mode (similar to SIB type 5) (TDD)

- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- 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	TDD
- CHOICE mode	14
- Timeslot number	
- 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	Not Present
- CHOICE <i>mode</i>	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE <i>mode</i>	TDD
- Offset	0
- Common timeslot info	
- 2 nd interleaving mode	Not Present (MD "Frame")
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- 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 3	4
- 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.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause 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)
- 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
- 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 _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

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

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

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

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

Contents of System Information Block type 11 (FDD)

- 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- 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
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Not Present
- Cell for measurement	8
- Intra-frequency cell id	
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 identity reporting indicator	TRUE
- Cell synchronisation information reporting indicator	FALSE
- 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 identity reporting indicator	TRUE
- Cell synchronisation information 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	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 and monitored set cells
- Triggering condition 2	Not Present
- Reporting Range	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	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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	

- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	TRUE
- CHOICE mode	TDD
- Primary CCPCH info	
- Cell parameters ID	Reference clause 6.1 Default settings for cell
- 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	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement quantity list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	Not Present
Reporting	
- Maximum number of reported cells on RACH	Not Present
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- SFN-SFN observed time difference	No report
reporting indicator	
- Cell synchronisation information reporting	TRUE
indicator	
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored set cells	
- SFN-SFN observed time difference	No report
reporting indicator	
- Cell synchronisation information reporting	FALSE
indicator	
- 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	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)

- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Not Present
- Cell for measurement	6
- Intra-frequency cell id	
- 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.6 (FDD)" in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Not Present
- Cell for measurement	7
- Intra-frequency cell id	
- 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.7 (FDD)" in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Not Present
- Cell for measurement	8
- Intra-frequency cell id	
- 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.8 (FDD)" in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	

- 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
- 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	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

- Intra-frequency event identity	1b
- Triggering condition 1	Active set cells and monitored set cells
- Triggering condition 2	Not Present
- Reporting Range	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	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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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 (similar to SIB type11) (TDD)

- 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	1
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- 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	1g
- Intra-frequency event identity	Not Present
- 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 13 (used when supported PLMN type is ANSI-41)

- CN Domain system information list	
- CN Domain system information	<i>For Packet-Switched domain</i>
- CN domain identity	PS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	T.B.D
- NAS (ANSI-41) system information	7
- CN domain specific DRX cycle length coefficient	
- CN Domain system information	<i>For Circuit-Switched domain</i>
- CN domain identity	CS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	T.B.D
- NAS (ANSI-41) system information	7
- CN domain specific DRX cycle length coefficient	
- UE timers and constants in idle mode	

- T300	400 milliseconds
- N300	7
- T312	10 seconds
- N312	200
- Capability update requirement	
- UE radio access FDD capability update requirement	TRUE
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

Contents of System Information Block type 14 (TDD)

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

Contents of System Information Block type 16

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

Contents of System Information Block type 17 (TDD)

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

Contents of System Information Block type 18

- Idle mode PLMN identities	
- PLMNs of intra-frequency cells list	
- PLMN identity	Set to the same value as indicated in MIB
- PLMNs of inter-frequency cells list	Not present
- PLMNs of inter-RAT cells list	Not present
- Connected mode PLMN identities	Not present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCl existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCl Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 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	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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
- 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	Not present
- Primary CPICH DL 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	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD

- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128

- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- 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	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE

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

<Start of modified section>

6.10.2.4.3 Combinations on SCCPCH

6.10.2.4.3.1 Stand-alone signalling RB for PCCH

6.10.2.4.3.1.1 Transport channel parameters

6.10.2.4.3.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB		SRB
	User of Radio Bearer		RRC
RLC	Logical channel type		PCCH
	RLC mode		TM
	Payload sizes, bit		240 (alt. 80)
	Max data rate, bps		24000 (alt. 8000)
	TrD PDU header, bit		0
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		PCH
	TB sizes, bit		240 (alt. 80)
	TFS	TF0, bits	0x240 (alt. 0x80)
		TF1, bits	1x240 (alt. 1x80)
	TTI, ms		10
	Coding type		CC 1/2
	CRC, bit		16
	Max number of bits/TTI before rate matching		528 (alt. 208)
	RM attribute		210-250

6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

6.10.2.4.3.1.2 Physical channel parameters

SCCPCH	TFCS size	2
	DTX position	N/A (SingleTrCH)
	Spreading factor	128(alt. 256)
	Number of TFCl bits/slot	0
	Number of Pilot bits/slot	0
	Number of data bits/slot	40(alt. 20)
	Number of data bits/frame	600(alt. 300)

6.10.2.4.3.2 Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.2.1 Transport channel parameters

6.10.2.4.3.2.1.1 Transport channel parameters for Interactive/Background 32 kbps PS RAB

Higher layer	RAB/signalling RB User of Radio Bearer	RAB Interactive/ Background 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	24	
	MAC multiplexing	N/A	
Layer 1	TrCH type	FACH	
	TB sizes, bit	360	
	TFS	TF0, bits	0x360
		TF1, bits	1x360
	TTI, ms	10	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI before rate matching	1140	
	RM attribute	110-150	

6.10.2.4.3.2.1.2 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

Higher layer	RAB/signalling RB User of Radio Bearer	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH	
	RLC mode	UM	UM	AM	AM	AM	TM	
	Payload sizes, bit	152	136 or 120 (note)	128	128	128	166	
	Max data rate, bps	30400 (alt. 45600)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33200 (alt. 49800)	
	AMD/UMD/TrD PDU header, bit	8	8	16	16	16	0	
MAC	MAC header, bit	8	24 or 40	24	24	24	2	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	FACH						
	TB sizes, bit	168						
	TFS	TF0, bits	0x168					
		TF1, bits	1x168					
		TF2, bits	2x168					
		TF3, bits	N/A (alt. 3x168)					
	TTI, ms	10						
	Coding type	CC ½						
	CRC, bit	16						
Max number of bits/TTI before rate matching	752 (alt. 1136)							
RM attribute	200-240							
NOTE:	MAC header size and PLC payload size depend on use of U-RNTI or C-RNTI.							

6.10.2.4.3.2.1.3 TFCS

TFCS size	4, or 5, or 6 (alt. 4, 5 or 6)
TFCS	(32kbps RAB, SRBs for CCCH/DCCH/BCCH) = (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3) (note), (TF1, TF0), (TF1, TF1) (note)
TFCS	(SRBs for CCCH/DCCH/BCCH, 32kbps RAB) = (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1) (note) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0) (note), (TF0, TF1), (TF1, TF1) (note))
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF2, TF0, TF2).

6.10.2.4.3.2.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.3 Interactive/Background 32 kbps RAB + SRB for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.3.1 Transport channel parameters

6.10.2.4.3.3.1.1 Transport channel parameters of SRB for Interactive/Background 32 kbps RAB

See clause 6.10.2.4.3.2.1

6.10.2.4.3.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.2.4.3.1.1

6.10.2.4.3.3.1.3 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.3.1.4 TFCS

TFCS size	6, 7, or 8 or 9 for 240 bits PCH TrBlk size and TF3 not used (alt 6, 7, 8 or 9 for 80 bits PCH TrBlk size and TF3 not used) (alt 6, 7, 8 or 9 for 240 bits PCH TrBlk size and TF3 used) (alt. 6, 7, 8, 9, 10, or 11 for 80 bits PCH TrBlk size and TF3 used)
TFCS	(32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) = (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note) (alt. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), [TF0, TF1, TF3] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note), [TF1, TF1, TF0] (see note))
TFCS	(SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH, 32 kbps RAB) = (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), (TF0, TF0, TF1), [TF0, TF1, TF1] (see note) for 240 bits PCH TrBlk size and TF3 not used (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), (TF0, TF0, TF1), [TF1, TF0, TF1] (see note), [TF0, TF1, TF1] (see note) for 80 bits PCH TrBlk size and TF3 not used) (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), [TF0, TF3, TF0] (see note), (TF0, TF0, TF1), [TF0, TF1, TF1] (see note) for 240 bits PCH TrBlk size and TF3 used) (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), [TF0, TF3, TF0] (see note), [TF1, TF3, TF0] (see note), (TF0, TF0, TF1), [TF1, TF0, TF1] (see note), [TF0, TF1, TF1] (see note) for 80 bits PCH TrBlk size and TF3 used)
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF2, TF0, TF2).

6.10.2.4.3.3.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCl bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.4 RB for CTCH + SRB for CCCH + SRB for BCCH

6.10.2.4.3.4.1 Transport channel parameters

6.10.2.4.3.4.1.1 Transport channel parameters of RB for CTCH

Higher layer	RAB/signalling RB		N/A
	User of Radio Bearer		BMC
RLC	Logical channel type		CTCH
	RLC mode		UM
	Payload sizes, bit		152
	Max data rate, bps		15200
	UMD PDU header, bit		8
MAC	MAC header, bit		8
	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		168
	TFS	TF0, bits	0x168
		TF1, bits	1x168
	TTI, ms		10
	Coding type		CC 1/3
	CRC, bit		16
	Max number of bits/TTI before rate matching		576
	RM attribute		200-240

6.10.2.4.3.4.1.2 Transport channel parameters of SRB for CCCH and SRB for BCCH

Higher layer	RAB/signalling RB		SRB#0	SRB#5
	User of Radio Bearer		RRC	RRC
RLC	Logical channel type		CCCH	BCCH
	RLC mode		UM	TM
	Payload sizes, bit		152	166
	Max data rate, bps		15200	16600
	AMD/UMD/TrD PDU header, bit		8	0
MAC	MAC header, bit		8	2
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH type		FACH	
	TB sizes, bit		168	
	TFS	TF0, bits	0x168	
		TF1, bits	1x168	
	TTI, ms		10	
	Coding type		CC 1/3	
	CRC, bit		16	
	Max number of bits/TTI before rate matching		576	
	RM attribute		200-240	

6.10.2.4.3.4.1.3 TFCS

TFCS size	3
TFCS	(SRBs for CCCH/ BCCH, RB for CTCH, SRBs for CCCH/ BCCH) = (TF0, TF0), (TF1, TF0), (TF0, TF1)

6.10.2.4.3.4.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	128
	Number of TFCI bits/slot	2
	Number of Pilot bits/slot	0
	Number of data bits/slot	38
	Number of data bits/frame	570

CR-Form-v6.1	
CHANGE REQUEST	
№	TS 34.108 CR 123
№ rev	-
№	Current version: 4.3.0
№	Spec Title:

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 34.108 REL-4; Alignment of reference configurations on S-CCPCH with default system information messages		
Source:	№ Ericsson		
Work item code:	№ TEI	Date:	№ 19/07/2002
Category:	№ A	Release:	№ REL-4
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 TR 21.900.		REL-4 (Release 4)	
		REL-5 (Release 5)	

Reason for change: №	<ol style="list-style-type: none">1. RM attribute is different between SIB 5 and SIB 6 for the same TrCH.2. The alternative TF TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH) needs to be removed from the default messages in SIB 5/6.3. The TFCS specification of the reference configurations for combinations on SCCPCH conflicts with the default messages in SIB 5/6.
Summary of change: №	<p>SCCPCH configuration in 6.1.0b</p> <ul style="list-style-type: none">• SIB 6: The RM attribute for the FACH carrying SRBs for CCCH/ DCCH and BCCH on SCCPCH is changed to 220 in order to be identical to the corresponding SIB 5 value. <p>SCCPCH configuration in 6.1.1 (T1-020279)</p> <ul style="list-style-type: none">• SIB 5: the alternative TF TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH has been removed. This removal affects both the TFCS and the TFS• SIB 6: as above <p>SCCPCH configuration in 6.1.2 (T1-020279)</p> <ul style="list-style-type: none">• The same changes to SIB 6 as in 6.1.1 <p>SCCPCH configuration in 6.1.3 (T1-020279)</p> <ul style="list-style-type: none">• The same changes to SIB 5 as in 6.1.1 <p>Reference configuration 6.10.2.4.3.2</p> <ul style="list-style-type: none">• TFCS specification: order of TrCH and the TFCS is aligned with the

	<p>default messages defined in clauses 6.1.1, 6.1.2 and 6.1.3</p> <ul style="list-style-type: none"> TFCS specification: An alternative TFCS containing the alternative TF (TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH) has been added, as done in other cases <p>Reference configuration 6.10.2.4.3.3</p> <ul style="list-style-type: none"> TFCS specification: order of TrCH and the TFCS is aligned with the default messages defined in clauses 6.1.0b TFCS specification: three alternative TFCS containing the alternative PCH TrBlk size 80 bits and the alternative TF (TF3 from the FACH carrying SRBs for CCCH/ DCCH and BCCH) have been added, as done in other cases <p>Reference configuration 6.10.2.4.3.4</p> <ul style="list-style-type: none"> TFCS specification: order of TrCH is aligned with the default messages defined in clause 6.1.3
Consequences if not approved:	⌘ Inconsistency remains between the reference configurations and the default messages concerning the TFCS for S-CCPCH configurations.

Clauses affected:	⌘ 6.1.0b, 6.1.1, 6.1.2, 6.1.3, 6.10.2.4.3									
Other specs affected:	<table border="0"> <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&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									
Other comments:	<p>⌘ Affects R99, REL-4 and REL-5 UE test cases</p> <p>The changes in 6.1.1, 6.1.2 and 6.1.3 regarding TF3 are based on agreed Tdoc T1-020279.</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/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 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
- Cell selection_and_reselection_quality_- measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not Present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

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

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection_and_reselection_quality_measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,SsearchRAT	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 _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

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

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell_selection_and_reselection_quality_measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- S _{limit,SearchRAT}	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- T _{reselections}	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 _{barred}	Not present
- Access Class Barred	Not barred
- 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 (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	Not Present
- Mapping info	(no data)
- Cell_selection_and_reselection_quality_measure	
- 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,SsearchRAT	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 _{barred}	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 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	11
- Gain factor β_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	
- 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)
- Primary CPICH DL 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	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
- Power offset information	Not Present
- CTFC information	5

- Power offset information	Not Present
- CTFC information	6
- Power offset information	Not Present
- CTFC information	8
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB

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

- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE <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 nd 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
- Midamble Allocation Mode	Default midamble
- Midamble configuration burst type 1 and	4
3 - Midamble Shift	
- CHOICE <i>TDD option</i>	Not Present
- no data	3.84 Mcps TDD
- Code List	
- Channelisation Code	(This IE is repeated for Code number for PCH and

- TFCS	FACH) (This IE is repeated for TFC number for PCH and FACH.)
-CHOICE <i>TFCI signalling</i>	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	
- TFCS complete information	
- CHOICE CTFC Size	
- CTFC information	
- Power offset information	
- FACH/PCH information	Complete reconfiguration
- TFS	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
- CHOICE Transport channel type	(PCH) 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) Common transport channels
- CHOICE Transport channel type	
- 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) Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- CHOICE <i>TDD option</i>	3.84 Mcps TDD

- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

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

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

- Access Service Class	(ASC#0)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#1)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#2)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#3)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#4)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#5)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	(ASC#6)
- ASC Settings	TDD
- CHOICE mode	1.28 Mcps TDD
- CHOICE TDD option	"11111111"
- Available SYNC_UL codes indices	Size1
- CHOICE subchannel size	Null
- Available Subchannels	
- Access Service Class	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 nd 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 <i>TFCS 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 _{GAP}	4
- N _{PCH}	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	
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition 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
- Gain factor β _c	11
- Gain factor β _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	FDD
- CHOICE mode	0 (ASC#3)
- Available signature Start Index	7 (ASC#3)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#5)
- CHOICE mode	7 (ASC#5)
- Available signature Start Index	'1111'B
- Available signature End Index	Not Present
- Assigned Sub-channel Number	FDD
- ASC Setting	0 (ASC#7)
- ASC Setting	7 (ASC#7)
- CHOICE mode	'1111'B
- Available signature Start Index	0.9 (for ASC#2)
- Available signature End Index	0.9 (for ASC#3)
- Assigned Sub-channel Number	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)
- Persistence scaling factor	Not Present
- AC-to-ASC mapping	31
- Primary CPICH DL TX power	-10
- Constant value	3dB
- PRACH power offset	4
- Power Ramp Step	2
- Preamble Retrans Max	3 slot
- RACH transmission parameters	10 slot
- Mmax	3
- NB01min	FALSE
- NB01max	0
- AICH info	Not Present
- Channelisation code	FALSE
- STTD indicator	64
- AICH transmission timing	1
- Secondary CCPCH system info	FALSE
- Secondary CCPCH info	TRUE
- Secondary scrambling code	Flexible
- STTD indicator	0
- Spreading factor	(This IE is repeated for TFC number for PCH and FACH.)
- Code number	Complete reconfiguration
- Pilot symbol existence	4 bit
- TFCI existence	0
- Fixed or Flexible position	Not Present
- Timing offset	1
- TFCS	Not Present
- Normal	2
- TFCI Field 1 information	Not Present
- CHOICE TFCS representation	3
- TFCS addition information	Not Present
- CHOICE CTFC Size	4
- CTFC information	Not Present
- Power offset information	1
- CTFC information	Not Present
- Power offset information	2
- CTFC information	Not Present
- Power offset information	3
- CTFC information	Not Present
- Power offset information	4
- CTFC information	Not Present
- 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	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240 (PCCH)
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230 220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- 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 6 in connected mode (similar to SIB type 5) (3.84 Mcps TDD)

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

- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	Not Present
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 nd interleaving mode	Not Present (MD "Frame")
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Timeslot number	1
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- 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.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	
- CTFC information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Power offset information	Reference clause 6.10 Parameter Set
- FACH/PCH information	Not Present
- 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	Reference clause 6.10 Parameter Set
- 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	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	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	Reference clause 6.10 Parameter Set
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	Reference clause 6.10 Parameter Set
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CTCH indicator	FALSE
- PICH info	TDD
- CHOICE <i>mode</i>	3.84 Mcps TDD
- CHOICE TDD option	0
- Timeslot number	
- Midamble shift and burst type	Type 1
- CHOICE Burst Type	0
- Midamble Shift	16/16
- Channelisation code	64/2
- Repetition period/length	0
- Offset	4
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

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

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

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

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

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

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

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

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

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

Contents of System Information Block type 11 (FDD)

- 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- 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
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Not Present
- Cell for measurement	8
- Intra-frequency cell id	
- 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 _{s,n}	0 dB
- Qoffset2 _{s,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
- 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 identity reporting indicator	TRUE
- Cell synchronisation information reporting indicator	FALSE
- 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 identity reporting indicator	TRUE
- Cell synchronisation information 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	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 and monitored set cells
- Triggering condition 2	Not Present
- Reporting Range	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	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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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 11 (3.84 Mcps and 1.28 Mcps 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	

- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	TRUE
- CHOICE mode	TDD
- Primary CCPCH info	
- Cell parameters ID	Reference clause 6.1 Default settings for cell
- Primary CCPCH TX power	Not Present
- Timeslot list	Not Present
- CHOICE TDD option	
- 3.84 Mcps TDD	
- Timeslot number	Not Present
- Burst type	Not Present
- 1.28 Mcps TDD	
- Timeslot number	Not Present
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement quantity list	
- 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
- UE internal measurement system information	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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled "Default settings for cell No.5 (FDD)"
- Primary scrambling code	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Not Present
- Cell for measurement	Not Present
- Intra-frequency cell id	6
- 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.6 (FDD)"
- Primary CPICH info	in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1 _{s,n}	Reference to table 6.1.1
- Qoffset2 _{s,n}	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- 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
- Intra-frequency cell id	Not Present
- Cell info	7
- 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.7 (FDD)"
- Primary scrambling code	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	Not Present
- Qoffset2 _{s,n}	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
- 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	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1 _{s,n}	Reference to table 6.1.1
- Qoffset2 _{s,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
- 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	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	Active set cells and monitored set cells
- Reporting Range	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

- Intra-frequency event identity	1b
- Triggering condition 1	Active set cells and monitored set cells
- Triggering condition 2	Not Present
- Reporting Range	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	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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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 (similar to SIB type11) (3.84 Mcps and 1.28 Mcps TDD)

- 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	1
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- 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	
- 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	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 13 (used when supported PLMN type is ANSI-41)

- CN Domain system information list	
- CN Domain system information	<i>For Packet-Switched domain</i>
- CN domain identity	PS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- CN Domain system information	<i>For Circuit-Switched domain</i>
- CN domain identity	CS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7

- UE timers and constants in idle mode	
- T300	400 milliseconds
- N300	7
- T312	10 seconds
- N312	200
- Capability update requirement	
- UE radio access FDD capability update requirement	TRUE
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

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

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

Contents of System Information Block type 16

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

Contents of System Information Block type17 (3.84 Mcsps TDD and 1.28 Mcps TDD)

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

Contents of System Information Block type 18

- Idle mode PLMN identities	
- PLMNs of intra-frequency cells list	
- PLMN identity	Set to the same value as indicated in MIB
- PLMNs of inter-frequency cells list	Not present
- PLMNs of inter-RAT cells list	Not present
- Connected mode PLMN identities	Not present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 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	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3

- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2

- SIB_REP	128
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- 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	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE

- CBS DRX Level 1 information	Not Present
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<Start of modified section>

6.10.2.4.3 Combinations on SCCPCH

6.10.2.4.3.1 Stand-alone signalling RB for PCCH

6.10.2.4.3.1.1 Transport channel parameters

6.10.2.4.3.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB		SRB
	User of Radio Bearer		RRC
RLC	Logical channel type		PCCH
	RLC mode		TM
	Payload sizes, bit		240 (alt. 80)
	Max data rate, bps		24000 (alt. 8000)
	TrD PDU header, bit		0
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		PCH
	TB sizes, bit		240 (alt. 80)
	TFS	TF0, bits	0x240 (alt. 0x80)
		TF1, bits	1x240 (alt. 1x80)
	TTI, ms		10
	Coding type		CC 1/2
	CRC, bit		16
	Max number of bits/TTI before rate matching		528 (alt. 208)
	RM attribute		210-250

6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

6.10.2.4.3.1.2 Physical channel parameters

SCCPCH	TFCS size	2
	DTX position	N/A (SingleTrCH)
	Spreading factor	128(alt. 256)
	Number of TFCl bits/slot	0
	Number of Pilot bits/slot	0
	Number of data bits/slot	40(alt. 20)
	Number of data bits/frame	600(alt. 300)

6.10.2.4.3.2 Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.2.1 Transport channel parameters

6.10.2.4.3.2.1.1 Transport channel parameters for Interactive/Background 32 kbps PS RAB

Higher layer	RAB/signalling RB User of Radio Bearer	RAB Interactive/ Background 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	24	
	MAC multiplexing	N/A	
Layer 1	TrCH type	FACH	
	TB sizes, bit	360	
	TFS	TF0, bits	0x360
		TF1, bits	1x360
	TTI, ms	10	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI before rate matching	1140	
	RM attribute	110-150	

6.10.2.4.3.2.1.2 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

Higher layer	RAB/signalling RB User of Radio Bearer	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH	
	RLC mode	UM	UM	AM	AM	AM	TM	
	Payload sizes, bit	152	136 or 120 (note)	128	128	128	166	
	Max data rate, bps	30400 (alt. 45600)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33200 (alt. 49800)	
	AMD/UMD/TrD PDU header, bit	8	8	16	16	16	0	
MAC	MAC header, bit	8	24 or 40	24	24	24	2	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	FACH						
	TB sizes, bit	168						
	TFS	TF0, bits	0x168					
		TF1, bits	1x168					
		TF2, bits	2x168					
		TF3, bits	N/A (alt. 3x168)					
	TTI, ms	10						
	Coding type	CC 1/2						
	CRC, bit	16						
Max number of bits/TTI before rate matching	752 (alt. 1136)							
RM attribute	200-240							
NOTE:	MAC header size and PLC payload size depend on use of U-RNTI or C-RNTI.							

6.10.2.4.3.2.1.3 TFCS

TFCS size	4, or 5, or 6 (alt. 4, 5 or 6)
TFCS	(32kbps RAB, SRBs for CCCH/DCCH/BCCH) = (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3) (note), (TF1, TF0), (TF1, TF1) (note)
TFCS	(SRBs for CCCH/DCCH/BCCH, 32kbps RAB) = (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1) (note) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0) (note), (TF0, TF1), (TF1, TF1) (note))
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF2, TF0, TF2).

6.10.2.4.3.2.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.3 Interactive/Background 32 kbps RAB + SRB for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.3.1 Transport channel parameters

6.10.2.4.3.3.1.1 Transport channel parameters of SRB for Interactive/Background 32 kbps RAB

See clause 6.10.2.4.3.2.1

6.10.2.4.3.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.2.4.3.1.1

6.10.2.4.3.3.1.3 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.3.1.4 TFCS

TFCS size	6, 7, or 8 or 9 for 240 bits PCH TrBlk size and TF3 not used (alt 6, 7, 8 or 9 for 80 bits PCH TrBlk size and TF3 not used) (alt 6, 7, 8 or 9 for 240 bits PCH TrBlk size and TF3 used) (alt. 6, 7, 8, 9, 10, or 11 for 80 bits PCH TrBlk size and TF3 used)
TFCS	(32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) = (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note) (alt. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), [TF0, TF1, TF3] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note), [TF1, TF1, TF0] (see note))
TFCS	(SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH, 32 kbps RAB) = (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), (TF0, TF0, TF1), [TF0, TF1, TF1] (see note) for 240 bits PCH TrBlk size and TF3 not used (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), (TF0, TF0, TF1), [TF1, TF0, TF1] (see note), [TF0, TF1, TF1] (see note) for 80 bits PCH TrBlk size and TF3 not used) (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), [TF0, TF3, TF0] (see note), (TF0, TF0, TF1), [TF0, TF1, TF1] (see note) for 240 bits PCH TrBlk size and TF3 used) (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), [TF0, TF3, TF0] (see note), [TF1, TF3, TF0] (see note), (TF0, TF0, TF1), [TF1, TF0, TF1] (see note), [TF0, TF1, TF1] (see note) for 80 bits PCH TrBlk size and TF3 used)
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF2, TF0, TF2).

6.10.2.4.3.3.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCl bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.4 RB for CTCH + SRB for CCCH + SRB for BCCH

6.10.2.4.3.4.1 Transport channel parameters

6.10.2.4.3.4.1.1 Transport channel parameters of RB for CTCH

Higher layer	RAB/signalling RB		N/A
	User of Radio Bearer		BMC
RLC	Logical channel type		CTCH
	RLC mode		UM
	Payload sizes, bit		152
	Max data rate, bps		15200
	UMD PDU header, bit		8
MAC	MAC header, bit		8
	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		168
	TFS	TF0, bits	0x168
		TF1, bits	1x168
	TTI, ms		10
	Coding type		CC 1/3
	CRC, bit		16
	Max number of bits/TTI before rate matching		576
	RM attribute		200-240

6.10.2.4.3.4.1.2 Transport channel parameters of SRB for CCCH and SRB for BCCH

Higher layer	RAB/signalling RB		SRB#0	SRB#5
	User of Radio Bearer		RRC	RRC
RLC	Logical channel type		CCCH	BCCH
	RLC mode		UM	TM
	Payload sizes, bit		152	166
	Max data rate, bps		15200	16600
	AMD/UMD/TrD PDU header, bit		8	0
MAC	MAC header, bit		8	2
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH type		FACH	
	TB sizes, bit		168	
	TFS	TF0, bits	0x168	
		TF1, bits	1x168	
	TTI, ms		10	
	Coding type		CC 1/3	
	CRC, bit		16	
	Max number of bits/TTI before rate matching		576	
	RM attribute		200-240	

6.10.2.4.3.4.1.3 TFCS

TFCS size	3
TFCS	(SRBs for CCCH/ BCCH , RB for CTCH, SRBs for CCCH/ BCCH) = (TF0, TF0), (TF1, TF0), (TF0, TF1)

6.10.2.4.3.4.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	128
	Number of TFCI bits/slot	2
	Number of Pilot bits/slot	0
	Number of data bits/slot	38
	Number of data bits/frame	570

3GPP TSG- T1 Meeting #16
Yokohama, Japan, 2nd Aug 2002

T1-020504

3GPP TSG-T1/SIG Meeting #24
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CR-Form-v5.1

CHANGE REQUEST

⌘ **34.108 CR 124** ⌘ rev **-** ⌘ Current version: **3.8.0** ⌘

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

Title:	⌘ Addition of reference compressed mode pattern		
Source:	⌘ Panasonic		
Work item code:	⌘ -	Date:	⌘ 2002-06-26
Category:	⌘ F	Release:	⌘ 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 TR 21.900.		REL-4 (Release 4)	
		REL-5 (Release 5)	

Reason for change: ⌘

1. The source of the current set of parameters for compressed mode patterns is not clear. Therefore the conformance test specifications should make references to RAN4 specifications regarding to configuration of compressed mode patterns.
2. Also the required functionality for this measurement is different depending on UE capability such as using compressed mode UL only or DL only or UL/DL or without using compressed mode. The message contents and procedure should be selected in accordance with UE capability. It is proposed to apply ICS/IXIT statements to existing test cases are not divided to separate test cases as the test requirement is the same.
3. For the case when multiple compressed mode pattern sequences are used, the pattern sequence should not overlap according to TS 25.331. The current conformance specification does not specific test settings which observe this requirement.

Summary of change: ⌘ The following compressed mode pattern parameters used in signalling test cases are defined according to TS25.133V3a0.

- Single compressed mode pattern

→ Inter frequency measurement for FDD cells, inter frequency measurement for TDD cells, Inter RAT measurement for GSM carrier RSSI, Inter RAT measurement for GSM Initial BSIC identification, Inter RAT measurement for GSM BSIC re-confirmation

- Multiple compressed mode patterns

→ GSM for all, FDD and GSM for all, FDD and TDD, TDD and GSM for all, FDD

	and TDD and GSM for all.
Consequences if not approved:	⌘ 1. The conformance test cases for inter-frequency, inter-RAT measurements might be executed under unrealistic settings. 2. Separate test cases with the similar test requirement have to be written for UE with different compressed mode capability. 3. The UE might report runtime error during compressed mode configuration in case multiple compressed mode pattern sequences are configured by UTRAN.

Clauses affected:	⌘ 6.8, 6.8.1, 6.8.2
Other specs affected:	⌘ <input checked="" type="checkbox"/> Other core specifications ⌘ TS34.123-1V5.0.1 <input type="checkbox"/> Test specifications <input 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.

<Start of modified section>

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".
- [2] 3GPP TS 34.121: "Terminal Conformance Specification; Radio transmission and reception (FDD)".
- [3] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
- [4] 3GPP TS 34.124: "ElectroMagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment".
- [5] 3GPP TS 34.122: "Terminal Conformance Specification; Radio transmission and reception (TDD)".
- [6] 3GPP TS 34.109: "Terminal Logical Test Interface; Special conformance testing functions".
- [8] 3GPP TS 25.214: "Physical layer procedures (FDD)".
- [7] 3GPP TS 25.301 "Radio Interface Protocol Architecture".
- [9] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [10] 3GPP TR 25.990: "Vocabulary".
- [11] 3GPP TS 25.101: "UE Radio transmission and reception (FDD)".
- [12] 3GPP TS 25.102: "UTRA (UE) TDD; Radio transmission and reception".
- [13] 3GPP TS 25.211: "Physical Channels and mapping of Transport Channels onto Physical channels (FDD)".
- [14] 3GPP TS 25.212: "Multiplexing and Channel Coding (FDD)".
- [15] 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".
- [16] 3GPP TS 26.110: "Codec for Circuit Switched Multimedia Telephony Service; General Description".
- [17] 3GPP TS 29.007: "General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)".
- [18] 3GPP TR 23.910: "Circuit Switched Data Bearer Service".
- [19] Void.
- [20] 3GPP TS 25.104: "UTRA (BS) FDD; Radio Transmission and Reception".

- [21] 3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
- [22] 3GPP TS 31.101: "UICC-Terminal Interface; Physical and Logical Characteristics".
- [23] 3GPP TS 31.102: "Characteristics of the USIM Application".
- [24] 3GPP TS 33.102: "3G Security; Security Architecture".
- [25] 3GPP TS 33.103: "3G Security; Integration Guidelines".
- [26] 3GPP TS 33.105: "3G Security; Cryptographic Algorithm Requirements".
- [27] 3GPP TS 25.224: "Physical layer procedures (TDD)".
- [28] 3GPP TS 25.221: "Physical Channels and mapping of Transport Channels onto Physical channels (TDD)".
- [29] 3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".
- [30] 3GPP TS 25.133: "Requirements for support of radio resource management (FDD)".

<End of modified section>

<Start of modified section>

6.8 Compressed Mode Parameters (~~FDD~~)

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

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

~~The reference configuration is that Compressed Mode is disabled, except when the Hard Handover (inter frequency network configuration is being used). It is necessary to define a set of compressed mode parameters to be used for inter frequency hard handover.~~

6.8.1 Single compressed mode pattern~~Normal Operation~~

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

~~Downlink Compressed Mode disabled.~~

~~Uplink Compressed Mode disabled.~~

6.8.1.1 Inter Frequency FDD measurement

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

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

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

6.8.1.2 Inter Frequency TDD measurement

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

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

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

6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

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

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

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

6.8.1.4 Inter RAT measurement (GSM – Initial BSIC Identification)

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

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

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

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

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

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

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

6.8.2 Multiple compressed mode patterns Inter-Frequency Hard Handover

Downlink compressed Mode—enabled

Parameters

Downlink Compression Method

SF Reduction

~~Left/Right Alternative DL Scrambling Codes~~
~~No~~

~~Compressed Mode Sequence and Parameters~~

~~Frame Structure Type A~~
~~SFN for first transmission gap~~
~~Fixed Gap Position~~
~~TGL = 7~~
~~Double Slot Gap~~
~~TGP~~
~~TGD~~
~~PD~~

~~Uplink Compressed Mode – disabled~~

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

6.8.2.1 Inter RAT measurement GSM

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

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

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

6.8.2.2 Inter Frequency FDD measurement & Inter RAT measurement GSM

FFS

6.8.2.3 Inter Frequency FDD measurement & Inter Frequency TDD measurement

FFS

6.8.2.4 Inter Frequency TDD measurement & Inter RAT measurement GSM

FFS

6.8.2.5 Inter Frequency FDD measurement & Inter Frequency TDD measurement & Inter RAT measurement GSM

FFS

<End of modified section>

3GPP TSG- T1 Meeting #16
Yokohama, Japan, 2nd Aug 2002

T1-020505

3GPP TSG-T1/SIG Meeting #24
Yokohama, Japan, 29-1 August 2002

Tdoc T1S-020343

CR-Form-v5.1
CHANGE REQUEST
⌘ 34.108 CR 125 ⌘ rev - ⌘ Current version: 4.3.0 ⌘

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

Title:	⌘ Addition of reference compressed mode pattern		
Source:	⌘ Panasonic		
Work item code:	⌘ TEI	Date:	⌘ 2002-06-26
Category:	⌘ A	Release:	⌘ REL-4
	<i>Use <u>one</u> of the following categories:</i> 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.		<i>Use <u>one</u> 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)

Reason for change:	⌘ 1. The source of the current set of parameters for compressed mode patterns is not clear. Therefore the conformance test specifications should make references to RAN4 specifications regarding to configuration of compressed mode patterns. 2. Also the required functionality for this measurement is different depending on UE capability such as using compressed mode UL only or DL only or UL/DL or without using compressed mode. The message contents and procedure should be selected in accordance with UE capability. It is proposed to apply ICS/IXIT statements to existing test cases are not divided to separate test cases as the test requirement is the same. 3. For the case when multiple compressed mode pattern sequences are used, the pattern sequence should not overlap according to TS 25.331. The current conformance specification does not specific test settings which observe this requirement.
Summary of change:	⌘ The following compressed mode pattern parameters used in signalling test cases are defined according to TS25.133V3a0. <ul style="list-style-type: none"> ● Single compressed mode pattern → Inter frequency measurement for FDD cells, inter frequency measurement for TDD cells, Inter RAT measurement for GSM carrier RSSI, Inter RAT measurement for GSM Initial BSIC identification, Inter RAT measurement for GSM BSIC re-confirmation ● Multiple compressed mode patterns

	→ GSM for all, FDD and GSM for all, FDD and TDD, TDD and GSM for all, FDD and TDD and GSM for all.
Consequences if not approved:	⌘ 1. The conformance test cases for inter-frequency, inter-RAT measurements might be executed under unrealistic settings. 2. Separate test cases with the similar test requirement have to be written for UE with different compressed mode capability. 3. The UE might report runtime error during compressed mode configuration in case multiple compressed mode pattern sequences are configured by UTRAN.

Clauses affected:	⌘ 6.8, 6.8.1, 6.8.2
Other specs affected:	⌘ <input checked="" type="checkbox"/> Other core specifications ⌘ TS34.123-1V5.0.1 <input type="checkbox"/> Test specifications <input 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.

<Start of modified section>

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".
- [2] 3GPP TS 34.121: "Terminal Conformance Specification; Radio transmission and reception (FDD)".
- [3] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
- [4] 3GPP TS 34.124: "ElectroMagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment".
- [5] 3GPP TS 34.122: "Terminal Conformance Specification; Radio transmission and reception (TDD)".
- [6] 3GPP TS 34.109: "Terminal Logical Test Interface; Special conformance testing functions".
- [8] 3GPP TS 25.214: "Physical layer procedures (FDD)".
- [7] 3GPP TS 25.301 "Radio Interface Protocol Architecture".
- [9] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [10] 3GPP TR 25.990: "Vocabulary".
- [11] 3GPP TS 25.101: "UE Radio transmission and reception (FDD)".
- [12] 3GPP TS 25.102: "UTRA (UE) TDD; Radio transmission and reception".
- [13] 3GPP TS 25.211: "Physical Channels and mapping of Transport Channels onto Physical channels (FDD)".
- [14] 3GPP TS 25.212: "Multiplexing and Channel Coding (FDD)".
- [15] 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".
- [16] 3GPP TS 26.110: "Codec for Circuit Switched Multimedia Telephony Service; General Description".
- [17] 3GPP TS 29.007: "General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)".
- [18] 3GPP TR 23.910: "Circuit Switched Data Bearer Service".
- [19] Void.
- [20] 3GPP TS 25.104: "UTRA (BS) FDD; Radio Transmission and Reception".

- [21] 3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
- [22] 3GPP TS 31.101: "UICC-Terminal Interface; Physical and Logical Characteristics".
- [23] 3GPP TS 31.102: "Characteristics of the USIM Application".
- [24] 3GPP TS 33.102: "3G Security; Security Architecture".
- [25] 3GPP TS 33.103: "3G Security; Integration Guidelines".
- [26] 3GPP TS 33.105: "3G Security; Cryptographic Algorithm Requirements".
- [27] 3GPP TS 25.224: "Physical layer procedures (TDD)".
- [28] 3GPP TS 25.221: "Physical Channels and mapping of Transport Channels onto Physical channels (TDD)".
- [29] 3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".
- [30] 3GPP TS 25.133: "Requirements for support of radio resource management (FDD)".

<End of modified section>

<Start of modified section>

6.8 Compressed Mode Parameters (~~FDD~~)

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

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

~~The reference configuration is that Compressed Mode is disabled, except when the Hard Handover (inter frequency network configuration is being used). It is necessary to define a set of compressed mode parameters to be used for inter frequency hard handover.~~

6.8.1 Single compressed mode pattern~~Normal Operation~~

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

~~Downlink Compressed Mode disabled.~~

~~Uplink Compressed Mode disabled.~~

6.8.1.1 Inter Frequency FDD measurement

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

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

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

6.8.1.2 Inter Frequency TDD measurement

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

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

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

6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

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

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

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

6.8.1.4 Inter RAT measurement (GSM – Initial BSIC Identification)

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

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

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

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

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

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

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

6.8.2 Multiple compressed mode patterns Inter-Frequency Hard Handover

Downlink compressed Mode – enabled

Parameters

~~Downlink Compression Method~~~~SF Reduction~~~~Left/Right Alternative DL Scrambling Codes~~~~No~~~~Compressed Mode Sequence and Parameters~~~~Frame Structure Type A~~~~SFN for first transmission gap~~~~Fixed Gap Position~~~~TGL=7~~~~Double Slot Gap~~~~TGP~~~~TGD~~~~PD~~~~Uplink Compressed Mode – disabled~~

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

6.8.2.1 Inter RAT measurement GSM

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

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

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

6.8.2.2 Inter Frequency FDD measurement & Inter RAT measurement GSM

FFS

6.8.2.3 Inter Frequency FDD measurement & Inter Frequency TDD measurement

FFS

6.8.2.4 Inter Frequency TDD measurement & Inter RAT measurement GSM

FFS

6.8.2.5 Inter Frequency FDD measurement & Inter Frequency TDD measurement & Inter RAT measurement GSM

FFS

<End of modified section>

3GPP TSG- T1 Meeting #16
Yokohama, Japan, 2nd Aug 2002

T1-020506

3GPP TSG- T1 SIG Meeting #24
Yokohama, Japan, 29th – 31st July 2002

T1S-020440

CR-Form-v6.1	
CHANGE REQUEST	
⌘	TS 34.108 CR 126
⌘ rev	-
⌘ Current version:	3.8.0
⌘ Spec Title:	Common Test Environments for User Equipment (UE)

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:	⌘ Corrections to default message contents as T1S-020346rev1		
Source:	⌘ Panasonic		
Work item code:	⌘ TEI	Date:	⌘ 22/7/2002
Category:	⌘ F	Release:	⌘ 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 TR 21.900 .	REL-4	(Release 4)
		REL-5	(Release 5)

Reason for change: ⌘	<ol style="list-style-type: none"> 1. In RADIO BEARER SETUP message , reconfigured DCH is added to transit from SRB 13.6 kbps to SRB 3.4 kbps. 2. In RADIO BEARER RELEASE message , reconfigured DCH is added to transit from SRB 3.4 kbps to SRB 13.6 kbps. 3. In RB control messages, IE "Timing indicator" should be set to "initialise" for transition from CELL_FACH to CELL_DCH. 4. To align with TS25.331V3.b.0. 5. In RADIO BEARER SETUP message: AM or UM (Speech in CS) and (Packet to CELL_DCH from CELL_DCH in PS) , CHOICE Gain Factors is set to wrong contents. 6. In Mac logical channel priority(MLP) should be set to prioritised values in established RBs. 7. In RADIO BEARER SETUP message, Re-establishment Timer is set to useT314 in CS service. <p>The modifications are added in T1S-020346 as below and highlighted in green marker</p> <ol style="list-style-type: none"> 1. In RRC CONNECTION SETUP (Transition to CELL_FACH) message, uplink and downlink DCH information is provided but TFCS for both uplink and downlink are missing, and this would result in erroneous configuration when UE receives this message. 2. In RADIO BEARER SETUP (A5 and A6) message, uplink and downlink DCH information is provided but TFCS for both uplink and downlink are
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- missing, and this would result in erroneous configuration when UE receives this message.
- In RADIO BEARER RELEASE (A5 and A6) message, it is inconsistency definition in IE "UL transport channel information for all transport channel".

Summary of change: ⌘ New corrections

- Reconfigured DCH is added into RADIO BEARER SETUP message to reconfigure SRB after this transition.
- Reconfigured DCH is added into RADIO BEARER RELEASE message to reconfigure SRB after this transition.
- In RADIO BEARER SETUP message, for 'A4', 'A7' and 'A8', the IE "Timing indicator" is set to 'Initialise'.
- In RADIO BEARER RELEASE message, for 'A4', 'A7' and 'A8', the IE "Timing indicator" is set to 'Initialise'.
- IE "Transparent mode signalling info" is removed.
- In ACTIVE SET UPDATE message, IE "Integrity protection mode info", IE "Ciphering mode info" and "Downlink counter synchronisation info" have been removed.
- In ACTIVE SET UPDATE COMPLETE message, IE "Uplink Integrity protection activation info", IE "Radio bearer uplink ciphering activation time info" and "Uplink counter synchronisation info" have been removed
- In RADIO BEARER SETUP message: AM or UM (Speech in CS) and (Packet to CELL_DCH from CELL_DCH in PS) , CHOICE Gain Factors is set to "The last TFC is set to Signalled Gain Factors".
- The following MAC logical channel priorities are set depending on the differences between SRBs and RABs , and on the services.
 - RB0(SRB0) → 1
 - RB1(SRB1) → 1
 - RB2(SRB2) → 2
 - RB3(SRB3) → 3
 - RB4(SRB4) → 4
 - CS speech data RAB → 6
 - CS data → 7
 - PS data → 8
- In RADIO BEARER SETUP message(A1) , Re-establishment timer is set to useT314.

The modifications are added in T1S-020346 as below and highlighted in green marker

- In RRC CONNECTION SETUP (Transition to CELL_FACH) message, uplink and downlink DCH TFCS is added.
- In RADIO BEARER SETUP (A5 and A6) message, uplink and downlink DCH TFCS is added.
- In RADIO BEARER RELEASE (A5 and A6) message, IE "UL transport channel information for all transport channel" is set to "Not Present".

Consequences if not approved: ⌘ The transition between SRB 13.6 kbps and SRB 3.4 kbps is impossible.

Clauses affected: ⌘ Clause 9

Other specs ⌘ Other core specifications ⌘

affected:	<input type="checkbox"/> Test specifications	
	<input 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/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.

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	
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	now
New U-RNTI	Not Present
CN information info	Not Present
Downlink counter synchronisation info	Not Present
Maximum allowed UL TX power	Not Present – use default value
Radio link addition information	Not Present
Radio link removal information	Not Present
TX Diversity Mode	None
SSDT information	Not Present

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.
Uplink integrity protection activation info	Not checked
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

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
- 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.
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 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	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	Setup
Measurement Reporting Mode	Acknowledged mode RLC
- Measurement Report Transfer Mode	Periodical
- Measurement Reporting/Event Trigger Reporting Mode	Periodical
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	
- Intra-frequency cell info	
- 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
- 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 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 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	$(256 + \text{CFN} - (\text{CFN} \bmod 8 + 8)) \bmod 256$
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"> - CHOICE mode - Power offset $P_{\text{Pilot-DPDCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPDCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> - Choice mode <ul style="list-style-type: none"> - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Power offset $P_{\text{Pilot-DPDCH}}$ - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH 	A1, A2, A3, A4	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 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"> - Downlink information for each radio link - Choice mode <ul style="list-style-type: none"> - Primary CPICH info - Primary scrambling code 	A5	FDD Ref. to the Default setting in TS34.108 clause

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 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	67
- 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	76
- Downlink RLC logical channel info	1
- 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	76
- Downlink RLC logical channel info	1
- 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 Computed
- Gain factor •c	Signalled Gain Factors)
- Gain factor •d	11 (below 64 kbps)
- Reference TFC ID	9 (higher than 64 kbps)
- CHOICE mode	(Not Present if the above is set to Computed Gain Factors)
- Power offset P p-m	15
Deleted TrCH information list	(Not Present if the above is set to Computed Gain Factors)
Added or Reconfigured TrCH information list	0
- Added or Reconfigured UL TrCH information	FDD
- Uplink transport channel type	Not Present
- UL Transport channel identity	Not Present
- TFS	3 DCHs added, 1 DCH reconfigured
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	

Information Element	Value/remark
<ul style="list-style-type: none"> - 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 	<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>DCH</p> <p>2</p>
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS 	<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"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS 	<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"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<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
Transparent mode signalling info	Not Present
- 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
Transparent mode signalling info	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
Transparent mode signalling info	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
Transparent mode signalling info	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- 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	

Information Element	Value/remark
<ul style="list-style-type: none"> - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	<ul style="list-style-type: none"> 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 for each radio link list	
<ul style="list-style-type: none"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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 - 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 	<ul style="list-style-type: none"> FDD Reference to clause 6.1 "Default settings (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

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 Computed
- Gain factor •c	Signalled Gain Factors)
- Gain factor •d	11 (below 64 kbps)
- Reference TFC ID	9 (higher than 64 kbps)
- CHOICE mode	(Not Present if the above is set to Computed Gain Factors)
- Power offset P p-m	15
Deleted TrCH information list	(Not Present if the above is set to Computed Gain Factors)
Added or Reconfigured TrCH information list	0
- Added or Reconfigured UL TrCH information	FDD
- Uplink transport channel type	Not Present
- UL Transport channel identity	Not Present
- TFS	1 DCH added, 1 DCH reconfigured
- CHOICE Transport channel type	DCH
- Dynamic Transport format information	1
- RLC Size	Dedicated transport channels
- Number of TBs and TTI List	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval	(This IE is repeated for TFI number.)
- Number of Transport blocks	Not Present
- CHOICE Logical Channel list	Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information	All
- 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
- 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
<u>- Uplink transport channel type</u>	<u>DCH</u>
<u>- UL Transport channel identity</u>	<u>5</u>
<u>- TFS</u>	
<u>- CHOICE Transport channel type</u>	<u>Dedicated transport channels</u>
<u>- Dynamic Transport format information</u>	
<u>- RLC Size</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- Number of TBs and TTI List</u>	<u>(This IE is repeated for TFI number.)</u>
<u>- Transmission Time Interval</u>	<u>Not Present</u>
<u>- Number of Transport blocks</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- Transmission Time Interval</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- Number of Transport blocks</u>	<u>(This IE is repeated for TFI number.)</u>
<u>- CHOICE Logical Channel list</u>	<u>All</u>
<u>- Semi-static Transport Format information</u>	
<u>- Transmission time interval</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- Type of channel coding</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- Coding Rate</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- Rate matching attribute</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>- CRC size</u>	<u>Reference to TS34.108 clause 6.10 Parameter Set</u>
CHOICE mode	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH information for	Not Present
DRAC list	
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Explicit
- DL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure	
- CHOICE CTFC Size	
- CTFC information	This IE is repeated for TFC numbers and reference to
- CTFC	TS34.108 clause 6.10.2.4
- Power offset information	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
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Explicit
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6.10 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
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target	-2.0
- BLER Quality value	Not Present
- Transparent mode signalling info	
<u>- Downlink transport channel type</u>	<u>DCH</u>
<u>- DL Transport channel identity</u>	<u>10</u>
<u>- CHOICE DL parameters</u>	<u>Same as UL</u>
<u>- Uplink transport channel type</u>	<u>DCH</u>
<u>- UL TrCH identity</u>	<u>5</u>

Information Element	Value/remark
- 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
- 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	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, 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		useT31 5 4
- Re-establishment timer		
- RB information to setup		10
- 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		1
- UL Transport channel identity		Not Present
- Logical channel identity		Configured
- CHOICE RLC size list		4 7
- MAC logical channel priority		
- Downlink RLC logical channel info		1
- Number of downlink RLC logical channels		DCH
- Downlink transport channel type		6
- DL DCH Transport channel identity		Not Present
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		
RAB information for setup	A8	
- RAB info		

Information Element	Condition	Value/remark
- RAB identity		0000 0001B
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT315
- 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 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
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		6 7
- 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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 		67 1 DCH 8 Not Present Not Present
RAB information for setup <ul style="list-style-type: none"> - RAB info - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - Support for lossless SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index 	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"> - 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 		Set 8 1 FACH Not Present Not Present 7
RB information to be affected Downlink counter synchronisation info	A1, A4, A5, A6,A7,A8 A1, A4, A5, A6,A7,A8	Not Present Not Present
UL Transport channel information for all transport channels <ul style="list-style-type: none"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor •c - Gain factor •d - Reference TFC ID - CHOICE mode - Power offset P p-m 	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
UL Transport channel information for all transport channels <ul style="list-style-type: none"> PRACH TFCS CHOICE mode TFC subset UL DCH TFCS 	A5, A6	Not Present
Deleted UL TrCH information Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> - 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 	A1, A4, A5, A6,A7,A8 A1	Not Present <u>1 DCH added, 1 DCH reconfigured</u> 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"> - 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 		<p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</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>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - 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 	<p>A4, A5, A6, A7</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH)</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</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>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>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 		<p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - 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 - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size 	<p>A8</p>	<p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH)</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</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>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>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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 		<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>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>
CHOICE mode CPCH set ID Added or Reconfigured TrCH information for DRAC list		FDD Not Present Not Present
Added or Reconfigured UL TrCH information	A5, A6	Not Present
CHOICE mode <ul style="list-style-type: none"> - CPCH set ID - Added or Reconfigured TrCH information for DRAC list 	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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	A1, A7, A8	Not Present FDD SameasUL
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters - DL DCH TFCS - CHOICE TFCI Signalling - TFCI Field 1 Information - CHOICE TFCS representation - TFCS complete reconfigure - CHOICE CTFC Size 	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CTFC information - CTFC - Power offset information 		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
DL Transport channel information common for all transport channel ----- SCCPCH-TFCS ----- CHOICE mode ----- CHOICE DL parameters	A5, A6	Not Present
Deleted DL TrCH information Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value ----- Transparent mode signalling info <u>- Downlink transport channel type</u> <u>- DL Transport channel identity</u> <u>- CHOICE DL parameters</u> <u>- Uplink transport channel type</u> <u>- UL TrCH identity</u> <u>- DCH quality target</u> <u>- BLER Quality value</u> 	A1, A4, A5, A6, A7, A8 A1	Not Present <u>1 DCH added, 1 DCH reconfigured</u> DCH 6 Same as UL DCH 1 -2.0 Not Present <u>DCH</u> <u>10</u> <u>Same as UL</u> <u>DCH</u> <u>5</u> -2.0
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value ----- Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value ----- Transparent mode signalling info 	A4, A5, A6 A7	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 -2.0 Not Present 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 Not Present
Added or Reconfigured DL TrCH information	A8	4 TrCHs(DCH for DCCH and 3DCHs for

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS 		DTCH) DCH 10 Same as UL DCH 5 Not Present Not Present DCH 6 Explicit Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0 Not Present DCH 7 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 Not Present Not Present DCH 8 Explicit

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 		<p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>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>Not Present</p>
Added or Reconfigured DL-TTCH information	A5, A6	Not Present
<p>Frequency info</p> <ul style="list-style-type: none"> - UARFCN uplink (Nu) - UARFCN downlink (Nd) 	A1, A4, A5, A6	<p>Reference to clause 5.1 Test frequencies</p> <p>Reference to clause 5.1 Test frequencies</p>
Maximum allowed UL TX power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
<p>CHOICE channel requirement</p> <ul style="list-style-type: none"> - Uplink DPCH power control info - DPCCCH 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	<p>Uplink DPCH info</p> <p>-6dB</p> <p>1 frame</p> <p>7 frames</p> <p>Algorithm1</p> <p>1dB</p> <p>Long</p> <p>0 (0 to 16777215)</p> <p>Not Present(1)</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 channel requirement	A5,A6	Not Present
<p>CHOICE Mode</p> <ul style="list-style-type: none"> - Downlink PDSCH information 	A1, A4, A5, A6,A7,A8	<p>FDD</p> <p>Not Present</p>
<p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> - 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 	A1	<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>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - TFCI existence - CHOICE SF - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		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 <ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode <ul style="list-style-type: none"> - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	A4,A7,A8	Maintain Initialise Not Present 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present
Downlink information for each radio link list <ul style="list-style-type: none"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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 - 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	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"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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 	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 		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"> - 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 list <ul style="list-style-type: none"> - 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 to CELL_DCH from CELL_DCH in CS"
A2 is defined in TS34.108 clause 9 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 TS34.108 clause 9 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 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	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,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"> - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue 		Not Present Not Present Not Present Not Present Not Present
RB information to reconfigure list <ul style="list-style-type: none"> - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - 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 	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"> - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info 	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"> - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue 		<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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size <p>- CTFC information</p> <p>- CTFC</p> <p>- Power offset information</p> <p>- CHOICE Gain Factors</p> <p>- Gain factor •c</p> <p>- Gain factor •d</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 ComputedGain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)</p> <p>0</p> <p>FDD</p>

Information Element	Condition	Value/remark
- Power offset P _{p-m}		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"> - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 		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"> - CPCH set ID - Added or Reconfigured TrCH information for DRAC list 	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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters - DL DCH TFCS - CHOICE TFCI Signalling - TFCI Field 1 Information - CHOICE TFCS representation - TFCS complete reconfigure - CHOICE CTFC Size - CTFC information - CTFC - Power offset information 	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"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate 	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 Not Present 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 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"> - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Transparent mode signalling info 		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0 Not Present
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Transparent mode signalling info 	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 Not Present
Frequency info <ul style="list-style-type: none"> - UARFCN uplink (Nu) - UARFCN downlink (Nd) 	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"> -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, 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"> - Downlink PDSCH information 		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		<p>Maintain Not Present</p> <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 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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	A4	<p>Initialise Not Present</p> <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 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"> -Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info <ul style="list-style-type: none"> - 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	<p>FDD</p> <p>Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present</p> <p>Primary CPICH may be used 0 chips Not Present</p> <p>2 Reference to TS34.108 clause 6.10 Parameter Set 0 No change 0 Not Present Not Present Not Present</p>
Downlink information per radio link list	A4	

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> -Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info <ul style="list-style-type: none"> - 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 		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 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"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Secondary CCPCH info 	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	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, A5, A6	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, A4	
- 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, A5 , A6	Not Present
Added or Reconfigured UL TrCH information	A4 , A5 , A6, A7, A8	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A3, A4 A5	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, A5 , A6 , 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, A4	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, A5 , A6	Not Present
Added or Reconfigured DL TrCH information	A4 A5 , A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A3, A5 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
→ Transparent mode signalling info		Not Present
Frequency info - UARFCN uplink (Nu)	A1, A2, A3, A4, A5, A6, A7, A8	Reference to clause 5.1 Test frequencies

Information Element		Value/remark
- UARFCN downlink (Nd) Maximum allowed UL TX power		Reference to clause 5.1 Test frequencies 33dBm
CHOICE <i>channel requirement</i>	A5, A6, A7, A8	Not Present
CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit	A1,A2,A3, A4	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 - Downlink PDSCH information	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 - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value	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 - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF	A4	Maintain 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		Value/remark
<ul style="list-style-type: none"> - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information for each radio link list -Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code <ul style="list-style-type: none"> - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset <ul style="list-style-type: none"> - Secondary CPICH info - Secondary scrambling code - channelisation code - DL channelisation code - Secondary scrambling code - Spreading factor <ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code <ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - 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	Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE 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
COUNT-C activation time	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	Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RELEASE 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.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have succeeded	Not checked

Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
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	<u>2</u> 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	32
- 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
- MAC logical channel priority	43
- 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"> - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list <ul style="list-style-type: none"> - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity 	<ul style="list-style-type: none"> 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) 54 1 FACH Not Present Not Present 4
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> - PRACH TFCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure - CHOICE CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode - Power offset Pp-m 	<ul style="list-style-type: none"> Not Present FDD Not Present Normal Addition 2bit CTFC This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) 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>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC size - Number of TBs and TTI lists - Transmission Time Interval 	<ul style="list-style-type: none"> DCH 5 Dedicated transport channels According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) (This IE is repeated for TFI number) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

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 $P_{\text{Pilot-DPDCH}}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Fixed or Flexible Position	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- TFCI existence	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CHOICE SF	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSdT information	Not Present

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	21
- 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	32
- 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	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	43
- 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	5 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	Not Present
- 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 β_c	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor β_d	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset P_p-m	Not Present
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all transport channel	Not Present(Refer to SIB-type 5)
- 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	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE COMMAND message, this IE must be absent. Else, SS checks this IE for the presence of activation times for all ciphered uplink RLC-UM and RLC-AM RBs.

Contents of SECURITY MODE FAILURE message: AM

Information Element	Value/remark
Message Type RRC transaction identifier	Checked to see if the value is the identical to the same IE in the downlink SECURITY MODE COMMAND message.
Integrity check info	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	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. 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.
RRC transaction identifier		
Integrity check info		
- message authentication code		
- RRC message sequence number		
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

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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor •c - Gain factor •d - Reference TFC ID - CHOICE mode - Power offset P_{p-m} 	A3, A4	<p>Not Present</p> <p>FDD</p> <p>Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.</p> <p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</p> <p>11 (below 64 kbps)</p> <p>9 (higher than 64 kbps)</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain 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
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size <ul style="list-style-type: none"> - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval <ul style="list-style-type: none"> - Type of channel coding <ul style="list-style-type: none"> - Coding Rate <ul style="list-style-type: none"> - Rate matching attribute <ul style="list-style-type: none"> - CRC size <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size <ul style="list-style-type: none"> - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval <ul style="list-style-type: none"> - Type of channel coding <ul style="list-style-type: none"> - Coding Rate <ul style="list-style-type: none"> - Rate matching attribute <ul style="list-style-type: none"> - CRC size 	A4	<p>2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size <ul style="list-style-type: none"> - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval <ul style="list-style-type: none"> - Type of channel coding <ul style="list-style-type: none"> - Coding Rate 	A3	<p>(DCH for DTCH) DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 Not Present 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 Not Present
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 	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 Not Present
Frequency info <ul style="list-style-type: none"> - UARFCN uplink (Nu) 	A1,A2,A3, A4,A5,A6	Reference to clause 5.1 Test frequencies

Information Element	Condition	Value/remark
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
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"> -Uplink DPCH power control info - DPCCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit 	A1, A2, A3, 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"> - Downlink PDSCH information 	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"> - 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 - DPCH compressed mode info - TX Diversity mode - SSdT information - Default DPCH Offset Value 	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"> - 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 - DPCH compressed mode info - TX Diversity mode 	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - SSDT information - Default DPCH Offset Value 		Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information for each radio link list <ul style="list-style-type: none"> - 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 $P_{Pilot-DPCH}$ - 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 0 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 <ul style="list-style-type: none"> - 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 $P_{Pilot-DPCH}$ - 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
<ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - 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	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on I _X 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.
- 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 I _X 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.
- 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	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity check info	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	
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	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	Not Present
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
Ciphering mode info	Start/restart
- Ciphering mode command	Use one of the supported ciphering algorithms
- Ciphering algorithm	(256+CFN-(CFN MOD 8 + 8))MOD 256
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	
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	46
- 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	64
- 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	64
- 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 TFCSI signalling	Normal
- TFCSI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
- Added or Reconfigured UL TrCH information	
- 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"> - 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 	<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 Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 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</p>
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type 	<p>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 DCH 3</p>
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<p>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 TDD (no data)</p>
<p>CHOICE mode DL Transport channel information common for all transport channel</p>	<p>Not Present TDD Same as UL</p>
<ul style="list-style-type: none"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	<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>	<p>DCH</p>
<ul style="list-style-type: none"> - Downlink transport channel type 	<p>6</p>
<ul style="list-style-type: none"> - DL Transport channel identity 	<p>Same as UL</p>
<ul style="list-style-type: none"> - CHOICE DL parameters 	<p>DCH</p>
<ul style="list-style-type: none"> - Uplink transport channel type 	<p>1</p>
<ul style="list-style-type: none"> - UL TrCH identity 	<p>1</p>
<ul style="list-style-type: none"> - DCH quality target 	<p>-6.3</p>
<ul style="list-style-type: none"> - BLER Quality value 	<p>-6.3</p>
<p>Transparent mode signalling info</p>	<p>Not Present</p>
<ul style="list-style-type: none"> - Downlink transport channel type 	<p>DCH</p>
<ul style="list-style-type: none"> - DL Transport channel identity 	<p>7</p>

Information Element	Value/remark
<ul style="list-style-type: none"> - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info 	<ul style="list-style-type: none"> Same as UL DCH 2 Not Present Not Present DCH 8 Same as UL DCH 3 Not Present Not Present
<p>Frequency info</p> <ul style="list-style-type: none"> - UARFCN Nt) <p>Maximum allowed UL TX power</p> <p>CHOICE channel requirement</p> <ul style="list-style-type: none"> - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size <p>CHOICE Mode</p> <p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Default DPCH Offset Value <p>Downlink information for each radio link list</p> <ul style="list-style-type: none"> - Downlink information for each radio link - Choice mode - Primary CCPCH info <ul style="list-style-type: none"> - CHOICE SyncCase - Timeslot - Cell parameters ID - SCTD indicator - Downlink DPCH info for each RL <ul style="list-style-type: none"> - CHOICE mode - DL CCTrCH List - TFCS ID - Time info <ul style="list-style-type: none"> - Activation time - Duration - Common timeslot info <ul style="list-style-type: none"> - 2nd interleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes <ul style="list-style-type: none"> - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type <ul style="list-style-type: none"> -CHOICE Burst Type <ul style="list-style-type: none"> -Type 1 <ul style="list-style-type: none"> -Midamble Allocation Mode - Midamble configuration burst 	<ul style="list-style-type: none"> Reference to clause 5.1 Test frequencies 30dBm Uplink DPCH info -6dB 1 frame 7 frames Algorithm1 1dB TDD (no data) Maintain Not Present 0 (single) TDD (no data) Not Present TDD Sync Case 1 PCCPCH timeslot 0 TDD 1 (256+CFN-(CFN mod 8 + 8))mod 256 infinite Reference to TS34.108 TRUE Reference to TS34.108 clause 6 Parameter set 1 Empty The number of a downlink timeslot that has unassigned codes. TRUE Default As defined in 3GPP TS 25.221
<p>type 1 and 3</p> <ul style="list-style-type: none"> - First timeslot channelisation codes - First channelisation code 	<ul style="list-style-type: none"> (i/SF) where i is the lowest numbered code

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

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

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 is 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

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	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 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	84
- 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	86
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	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 TFCl 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
- CHOICE Logical Channel list	ALL

Information Element	Value/remark
<ul style="list-style-type: none"> - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 	<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 Not Present</p>
<p>Frequency info</p> <ul style="list-style-type: none"> -CHOICE mode - UARFCN (Nt) <p>Maximum allowed UL TX power CHOICE channel requirement</p> <ul style="list-style-type: none"> - Uplink DPCH power control info - CHOICE mode - UL Target SIR - CHOICE UL OL PC info - Uplink Timing Advance Control - UL CCTrCH List <ul style="list-style-type: none"> - TFCS Id - Time info <ul style="list-style-type: none"> - Activation time - Duration - Common timeslot info <ul style="list-style-type: none"> - 2nd interleaving mode - TFCI coding - Puncturing Limit - Repetition Period - Repetition Length - First individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type <ul style="list-style-type: none"> -CHOICE Burst Type <ul style="list-style-type: none"> -Type 1 <ul style="list-style-type: none"> -Midamble Allocation Mode - Midamble configuration burst 	<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 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"> - First timeslot channelisation codes - Channelisation code - CHOICE more timeslots 	<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. 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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Default DPCH Offset Value 	<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"> - Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CCPCH info <ul style="list-style-type: none"> - CHOICE SyncCase <ul style="list-style-type: none"> - Timeslot - Cell parameters ID - SCTD indicator - Downlink DPCH info for each RL 	<p>TDD</p> <p>Sync Case 1 PCCPCH timeslot 0</p>

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

Contents of RADIO BEARER SETUP COMPLETE message: AM

<p>Message Type RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> - Message authentication code - RRC Message sequence number <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"> - Message authentication code - RRC Message sequence number <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. 0000 0000 0001B
- SRNC identity	0000 0000 0000 0000 0001B
- S-RNTI	0
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 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 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	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

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	<u>2</u> 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	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

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	<u>3</u> 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	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

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 5
- 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. 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	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	

Information Element	Value/remark
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC size - Number of TBs and TTI lists - Transmission Time Interval - Number of Transport blocks - CHOICE Logical channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	<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"> - Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL Transport channel identity -DCH quality target <ul style="list-style-type: none"> - BLER Quality target 	<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"> - Uplink DPCH power control info - CHOICE mode <ul style="list-style-type: none"> - UL Target SIR - CHOICE UL OL PC info - Uplink Timing Advance Control - UL CCTrCH List <ul style="list-style-type: none"> - TFCS Id - Time info <ul style="list-style-type: none"> - Activation time - Duration 	<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"> - TFCS Id - Time info <ul style="list-style-type: none"> - Activation time - Duration - Common timeslot info <ul style="list-style-type: none"> - 2nd interleaving mode - TFCI coding - Puncturing Limit - Repetition Period - Repetition Length - First individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type <ul style="list-style-type: none"> -CHOICE Burst Type <ul style="list-style-type: none"> -Type 1 <ul style="list-style-type: none"> -Midamble Allocation Mode - Midamble configuration burst 	<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"> - First timeslot channelisation codes 	<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	
- 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 mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- 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	
- 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 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 and UE test loop mode 1 without Dummy DCCH transmission are set to default message contents.

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"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>200 200 TRUE Not Present</p> <p>2RBMuxOptions 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 86</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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCl signalling - TFCl Field 1 information - CHOICE TFCS representation 	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"> - TFCS complete reconfigure information - CHOICE CTFC Size <ul style="list-style-type: none"> - CTFC information - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} 		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"> - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS <ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport Format Information <ul style="list-style-type: none"> - RLC size - Number of TBs and TTI List <ul style="list-style-type: none"> - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel List - Semi-static Transport Format Information <ul style="list-style-type: none"> - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	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"> - CPCH set ID - 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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	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"> - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters 	A1,A3	Not Present 1 DCH 6 Same as UL

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value <p>Transparent mode signalling info</p>		DCH 1 -2.0 Not Present
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> - Uplink DPCH power control info - CHOICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode <ul style="list-style-type: none"> - Downlink PDSCH information 	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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> - 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 - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH 	A1,A3	FDD 100 Not Present Not Present FDD Primary CPICH may be used 0 chips 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	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
U-RNTI	
- 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:
Integrity check info	(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 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	12
- 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	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	23
- 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	15
- 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	2 RB mapping info
- RB mapping info	2 RBMuxOptions
- Information for each multiplexing option	Not Present
- 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	1
- Number of RLC logical channels	DCH
- Downlink transport channel type	10
- DL DCH Transport channel identity	Not Present
- 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	34
- Downlink RLC logical channel info	1
- Number of 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	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	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	45
- 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 β_c	15
- Gain factor β_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
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P _{Pilot-DPDCH}	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 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.
- 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

3GPP TSG- T1 Meeting #16
Yokohama, Japan, 2nd Aug 2002

T1-020507

3GPP TSG- T1 SIG Meeting #24
Yokohama, Japan, 29th – 1st Aug 2002

T1S-020380

CR-Form-v6.1

CHANGE REQUEST

⌘ **TS 34.108 CR 127** ⌘ rev - ⌘ Current version: **4.3.0** ⌘
Spec Title: Common Test Environments for User Equipment (UE) ⌘

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: ⌘ Corrections to default message contents as T1S-020347rev1

Source: ⌘ Panasonic

Work item code: ⌘ TEI **Date:** ⌘ 12/7/2002

Category: ⌘ **A** **Release:** ⌘ REL-4

Use one of the following categories:

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)
	REL-4 (Release 4)
	REL-5 (Release 5)

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

Reason for change: ⌘

- In RADIO BEARER SETUP message , reconfigured DCH is added to transit from SRB 13.6 kbps to SRB 3.4 kbps.
- In RADIO BEARER RELEASE message , reconfigured DCH is added to transit from SRB 3.4 kbps to SRB 13.6 kbps.
- In RB control messages, IE "Timing indicator" should be set to "initialise" for transition from CELL_FACH to CELL_DCH.
- To align with TS25.331V3.b.0.
- In Mac logical channel priority(MLP) should be set to prioritised values in established RBs.
- In RADIO BEARER SETUP message, Re-establishment Timer is set to useT314 in CS service.

The modifications are added in T1S-020347 as below with blue marker to be pointed out by Siemens.

- The messages related to 3.84 Mcps TDD and 1.28 Mcps TDD are missing for copy error.

The modifications are added in T1S-020347 as below and highlighted in green marker

- In RRC CONNECTION SETUP (Transition to CELL_FACH) message, uplink and downlink DCH information is provided but TFCS for both uplink and downlink are missing, and this would result in erroneous configuration when UE receives this message.
- In RADIO BEARER SETUP (A5 and A6) message, uplink and downlink DCH information is provided but TFCS for both uplink and downlink are missing, and this would result in erroneous configuration when UE

receives this message.

3. In RADIO BEARER RELEASE (A5 and A6) message, it is inconsistency definition in IE "UL transport channel information for all transport channel".

Summary of change: ⌘ New corrections

1. Reconfigured DCH is added into RADIO BEARER SETUP message to reconfigure SRB after this transition.
2. Reconfigured DCH is added into RADIO BEARER RELEASE message to reconfigure SRB after this transition.
3. In RADIO BEARER SETUP message, for 'A4', 'A7' and 'A8', the IE "Timing indicator" is set to 'Initialise'.
4. In RADIO BEARER RELEASE message, for 'A4', 'A7' and 'A8', the IE "Timing indicator" is set to 'Initialise'.
5. IE "Transparent mode signalling info" is removed.
6. In ACTIVE SET UPDATE message, IE "Integrity protection mode info", IE "Ciphering mode info" and "Downlink counter synchronisation info" have been removed.
7. In ACTIVE SET UPDATE COMPLETE message, IE "Uplink Integrity protection activation info", IE "Radio bearer uplink ciphering activation time info" and "Uplink counter synchronisation info" have been removed.
8. The following MAC logical channel priorities are set depending on the differences between SRBs and RABs, and on the services.
 - RB0(SRB0) → 1
 - RB1(SRB1) → 1
 - RB2(SRB2) → 2
 - RB3(SRB3) → 3
 - RB4(SRB4) → 4
 - CS speech data RAB → 6
 - CS data → 7
 - PS data → 8
9. In RADIO BEARER SETUP message(A1), Re-establishment timer is set to use T314.

The modifications are added in T1S-020347 as below with blue marker to be pointed out by Siemens.

1. Missing Message for 3.84 Mcps TDD and 1.28 Mcps TDD are added to cover the missing copy.
 - RADIO BEARER SETUP
 - RRC CONNECTION SETUP

The modifications are added in T1S-020347 as below and highlighted in green marker

1. In RRC CONNECTION SETUP (Transition to CELL_FACH) message, uplink and downlink DCH TFCS is added.
2. In RADIO BEARER SETUP (A5 and A6) message, uplink and downlink DCH TFCS is added.
3. In RADIO BEARER RELEASE (A5 and A6) message, IE "UL transport channel information for all transport channel" is set to "Not Present".

Consequences if not approved:	⌘	The transition between SRB 13.6 kbps and SRB 3.4 kbps is impossible.									
Clauses affected:	⌘	Clause9									
Other specs affected:	⌘	<table border="0"> <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&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										
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/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.

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	
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	now
New U-RNTI	Not Present
CN information info	Not Present
Downlink counter synchronisation 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.
Uplink integrity protection activation info	Not checked
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

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
- 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.
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 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	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	Setup
Measurement Reporting Mode	Acknowledged mode RLC
- Measurement Report Transfer Mode	Periodical
- Measurement Reporting/Event Trigger Reporting Mode	Periodical
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	
- Intra-frequency cell info	
- 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
- 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 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	$(256 + \text{CFN} - (\text{CFN} \bmod 8 + 8)) \bmod 256$
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
- DPCCCH 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"> - CHOICE mode - Power offset $P_{\text{Pilot-DPDCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPDCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> - Choice mode <ul style="list-style-type: none"> - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Power offset $P_{\text{Pilot-DPDCH}}$ - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH 	A1, A2, A3, A4	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 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"> - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code 	A5	FDD Ref. to the Default setting in TS34.108 clause

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	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	76
- 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	76
- 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	76
- 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 Computed Gain Factors)
- Gain factor •c	11 (below 64 kbps)
- Gain factor •d	9 (higher than 64 kbps)
- Gain factor •e	(Not Present if the above is set to Computed Gain Factors)
- Gain factor •f	15
- Gain factor •g	(Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset P _{p-m}	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs added, 1 DCH reconfigured
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	

Information Element	Value/remark
<ul style="list-style-type: none"> - 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 	<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"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS 	<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"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS 	<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"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<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
Transparent mode signalling info	Not Present
- 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
Transparent mode signalling info	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
Transparent mode signalling info	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
Transparent mode signalling info	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- 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	

Information Element	Value/remark
<ul style="list-style-type: none"> - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	<ul style="list-style-type: none"> 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 for each radio link list	
<ul style="list-style-type: none"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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 - 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 	<ul style="list-style-type: none"> FDD Reference to clause 6.1 "Default settings (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

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 Computed Gain Factors)
- Gain factor •c	11 (below 64 kbps)
- Gain factor •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	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
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks	(This IE is repeated for TFI number.)
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH information for	Not Present
DRAC list	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Explicit
- DL DCH TFCS	
- CHOICE TFCSI signalling	Normal
- TFCSI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure	
- 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	Not present
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	
- 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
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target	
- BLER Quality value	-2.0
- Transparent mode signalling info	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

Information Element	Value/remark
- 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
- 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	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, 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		use T315 use T314
- 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		74
- 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"> - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode <ul style="list-style-type: none"> - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode <ul style="list-style-type: none"> - Segmentation indication - RB mapping info <ul style="list-style-type: none"> - Information for each multiplexing option <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode <ul style="list-style-type: none"> - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode <ul style="list-style-type: none"> - Segmentation indication - RB mapping info <ul style="list-style-type: none"> - Information for each multiplexing option <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RB identity - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode <ul style="list-style-type: none"> - Transmission RLC discard - Segmentation indication - CHOICE Downlink RLC mode <ul style="list-style-type: none"> - Segmentation indication - RB mapping info <ul style="list-style-type: none"> - Information for each multiplexing option <ul style="list-style-type: none"> - 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 		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 67 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 67 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"> - 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 		67 1 DCH 8 Not Present Not Present
RAB information for setup <ul style="list-style-type: none"> - RAB info - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - Support for lossless SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index 	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"> - 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 		Set 8 1 FACH Not Present Not Present 7
RB information to be affected Downlink counter synchronisation info	A1, A4, A5, A6,A7,A8 A1, A4, A5, A6,A7,A8	Not Present Not Present
UL Transport channel information for all transport channels <ul style="list-style-type: none"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor •c - Gain factor •d - Reference TFC ID - CHOICE mode - Power offset P_{p-m} 	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
UL Transport channel information for all transport channels <ul style="list-style-type: none"> PRACH TFCS CHOICE mode TFC subset UL DCH TFCS 	A5, A6	Not Present
Deleted UL TrCH information Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> - 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 	A1, A4, A5, A6,A7,A8 A1	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 All Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 		<p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</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>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - 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 	<p>A4, A5, A6, A7</p>	<p>2 TrCHs(DCH for DCCH and DCH for DTCH)</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</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>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>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 		<p>All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p>
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - 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 - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size 	A8	<p>4 TrCHs(DCH for DCCH and 3DCHs for DTCH)</p> <p>DCH</p> <p>5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>(This IE is repeated for TFI number.)</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>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>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</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 		<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>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>
CHOICE mode CPCH set ID Added or Reconfigured TrCH information for DRAC list		FDD Not Present Not Present
Added or Reconfigured UL TrCH information	A5, A6	Not Present
CHOICE mode <ul style="list-style-type: none"> - CPCH set ID - Added or Reconfigured TrCH information for DRAC list 	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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	A1, A7, A8	Not Present FDD SameasUL
DL Transport channel information common for all transport channel <ul style="list-style-type: none"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters - DL DCH TFCS - CHOICE TFCI Signalling - TFCI Field 1 Information - CHOICE TFCS representation - TFCS complete reconfigure - CHOICE CTFC Size 	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CTFC information - CTFC - Power offset information 		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
DL Transport channel information common for all transport channel ----- SCCPCH-TFCS ----- CHOICE mode ----- CHOICE DL parameters	A5, A6	Not Present
Deleted DL TrCH information Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value ----- Transparent mode signalling info <u>- Downlink transport channel type</u> <u>- DL Transport channel identity</u> <u>- CHOICE DL parameters</u> <u>- Uplink transport channel type</u> <u>- UL TrCH identity</u> <u>- DCH quality target</u> <u>- BLER Quality value</u> 	A1, A4, A5, A6, A7, A8 A1	Not Present <u>1 DCH added, 1 DCH reconfigured</u> DCH 6 Same as UL DCH 1 -2.0 Not Present <u>DCH</u> <u>10</u> <u>Same as UL</u> <u>DCH</u> <u>5</u> -2.0
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value ----- Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value ----- Transparent mode signalling info 	A4, A5, A6 , A7	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 Not Present -2.0 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 Not Present
Added or Reconfigured DL TrCH information	A8	4 TrCHs(DCH for DCCH and 3DCHs for

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS 		DTCH) DCH 10 Same as UL DCH 5 Not Present Not Present DCH 6 Explicit Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0 Not Present DCH 7 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 Not Present Not Present DCH 8 Explicit

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 		<p>Dedicated transport channel</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)</p> <p>Not Present</p> <p>Reference to TS34.108 clause 6.10 Parameter Set</p> <p>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>Not Present</p>
Added or Reconfigured DL-TCH information	A5, A6	Not Present
<p>Frequency info</p> <ul style="list-style-type: none"> - UARFCN uplink (Nu) - UARFCN downlink (Nd) 	A1, A4, A5, A6	<p>Reference to clause 5.1 Test frequencies</p> <p>Reference to clause 5.1 Test frequencies</p>
Maximum allowed UL TX power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
<p>CHOICE channel requirement</p> <ul style="list-style-type: none"> - Uplink DPCH power control info - DPCCCH 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	<p>Uplink DPCH info</p> <p>-6dB</p> <p>1 frame</p> <p>7 frames</p> <p>Algorithm1</p> <p>1dB</p> <p>Long</p> <p>0 (0 to 16777215)</p> <p>Not Present(1)</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 channel requirement	A5,A6	Not Present
<p>CHOICE Mode</p> <ul style="list-style-type: none"> - Downlink PDSCH information 	A1, A4, A5, A6,A7,A8	<p>FDD</p> <p>Not Present</p>
<p>Downlink information common for all radio links</p> <ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPDCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position 	A1	<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>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - TFCI existence - CHOICE SF - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		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 <ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode <ul style="list-style-type: none"> - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	A4,A7,A8	Maintain Initialise Not Present 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set FDD Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present
Downlink information for each radio link list <ul style="list-style-type: none"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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 - 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	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"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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 	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 		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"> - 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 list <ul style="list-style-type: none"> - 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 to CELL_DCH from CELL_DCH in CS"
A2 is defined in TS34.108 clause 9 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 TS34.108 clause 9 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

<p>Message Type RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> - Message authentication code - RRC Message sequence number <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>FDD Not checked</p> <p>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.</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 SETUP FAILURE message: AM

Information Element	Value/remark
<p>Message Type RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> - Message authentication code - RRC Message sequence number <p>Failure cause Radio bearers for which reconfiguration would have succeeded</p>	<p>Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER SETUP 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>

Contents of RADIO BEARER 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 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,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"> - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue 		Not Present Not Present Not Present Not Present Not Present
RB information to reconfigure list <ul style="list-style-type: none"> - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - 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 	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"> - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info 	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"> - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue - RB information to reconfigure - RB identity - PDCP info - PDCP SN info - RLC info - RB mapping info - RB stop/continue 		<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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size <p>- CTFC information</p> <p>- CTFC</p> <p>- Power offset information</p> <p>- CHOICE Gain Factors</p> <p>- Gain factor •c</p> <p>- Gain factor •d</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 ComputedGain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)</p> <p>0</p> <p>FDD</p>

Information Element	Condition	Value/remark
- Power offset P _{p-m}		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"> - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 		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"> - CPCH set ID - Added or Reconfigured TrCH information for DRAC list 	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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters - DL DCH TFCS - CHOICE TFCI Signalling - TFCI Field 1 Information - CHOICE TFCS representation - TFCS complete reconfigure - CHOICE CTFC Size - CTFC information - CTFC - Power offset information 	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"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate 	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 Not Present 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 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"> - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Transparent mode signalling info 		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0 Not Present
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Transparent mode signalling info 	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 Not Present
Frequency info <ul style="list-style-type: none"> - UARFCN uplink (Nu) - UARFCN downlink (Nd) 	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"> -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, 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"> - Downlink PDSCH information 		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> -Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL <ul style="list-style-type: none"> - 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 2 Reference to TS34.108 clause 6.10 Parameter Set 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"> -Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info <ul style="list-style-type: none"> - 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 		<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"> - Downlink information for each radio link <ul style="list-style-type: none"> - 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	<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"> - Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Secondary CCPCH info 	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, A5, A6	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, A4	
- 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, A5 , A6	Not Present
Added or Reconfigured UL TrCH information	A4 , A5 , A6, A7, A8	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A3, A4 A5	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, A5 , A6 , 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, A4	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, A5 , A6	Not Present
Added or Reconfigured DL TrCH information	A4 A5 , A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A3, A5 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
-----> Transparent mode signalling info		Not Present
Frequency info - UARFCN uplink (Nu)	A1, A2, A3, A4, A5, A6, A7, A8	Reference to clause 5.1 Test frequencies

Information Element		Value/remark
- UARFCN downlink (Nd) Maximum allowed UL TX power		Reference to clause 5.1 Test frequencies 33dBm
CHOICE <i>channel requirement</i>	A5, A6, A7, A8	Not Present
CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit	A1,A2,A3, A4	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 - Downlink PDSCH information	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 - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value	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 - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF	A4	Maintain 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		Value/remark
<ul style="list-style-type: none"> - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 		Not Present None Not Present Arbitrary set to value 0..306688 by step of 512
Downlink information for each radio link list -Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Choice mode - Primary CPICH info - Primary scrambling code <ul style="list-style-type: none"> - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH frame offset <ul style="list-style-type: none"> - Secondary CPICH info - Secondary scrambling code - channelisation code - DL channelisation code - Secondary scrambling code - Spreading factor <ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code <ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - 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	<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>
COUNT-C activation time	
Radio bearer uplink ciphering activation time info	<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>
Uplink counter synchronisation info	Not checked

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	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	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	<u>2</u> 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	3 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	43
- 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"> - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list <ul style="list-style-type: none"> - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity 	<ul style="list-style-type: none"> 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) 54 1 FACH Not Present Not Present 4
<ul style="list-style-type: none"> UL Transport channel information for all transport channels <ul style="list-style-type: none"> - PRACH TFCS - CHOICE Mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure - CHOICE CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors <ul style="list-style-type: none"> - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode - Power offset Pp-m 	<ul style="list-style-type: none"> Not Present FDD Not Present Normal Addition 2bit CTFC This IE is repeated for TFC numbers according to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) 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
<ul style="list-style-type: none"> Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC size - Number of TBs and TTI lists - Transmission Time Interval 	<ul style="list-style-type: none"> DCH 5 Dedicated transport channels According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) (This IE is repeated for TFI number) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

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 $P_{\text{Pilot-DPDCH}}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Fixed or Flexible Position	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- TFCI existence	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CHOICE SF	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSdT information	Not Present

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	21
- 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	32
- 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	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	43
- 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	5 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	Not Present
- 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	<u>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)</u>
- CTFC	<u>According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)</u>
- Power offset information	
- CHOICE Gain Factors	<u>Computed Gain Factors (The last TFC is set to Signalled Gain Factors)</u>

Information Element	Value/remark
- Gain factor β_c	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the above is set to Computed Gain Factors)
- Gain factor β_d	15 (Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset P_{p-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	DCH
- Uplink transport channel type	5
- UL Transport channel identity	
- TFS	
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
- Number of TBs and TTI List	List with single entry
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all transport channel	Not Present(Refer to SIB-type 5)
- 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	DCH
- Downlink transport channel type	10
- DL Transport channel identity	Same as UL
- CHOICE DL parameters	DCH
- Uplink Transport channel type	5
- UL TrCH identity	Not Present
- 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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor •c - Gain factor •d - Reference TFC ID - CHOICE mode - Power offset P_{p-m} 	A3, A4	<p>Not Present</p> <p>FDD</p> <p>Not Present</p> <p>Normal</p> <p>Complete reconfiguration</p> <p>Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.</p> <p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Reference to TS34.108 clause 6.10.2.4 Parameter Set</p> <p>Computed Gain Factors(The last TFC is set to Signalled Gain Factors)</p> <p>11 (below 64 kbps)</p> <p>9 (higher than 64 kbps)</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)</p> <p>15</p> <p>(Not Present if the CHOICE Gain Factors is set to ComputedGain 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
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size <ul style="list-style-type: none"> - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval <ul style="list-style-type: none"> - Type of channel coding <ul style="list-style-type: none"> - Coding Rate <ul style="list-style-type: none"> - Rate matching attribute <ul style="list-style-type: none"> - CRC size <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size <ul style="list-style-type: none"> - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval <ul style="list-style-type: none"> - Type of channel coding <ul style="list-style-type: none"> - Coding Rate <ul style="list-style-type: none"> - Rate matching attribute <ul style="list-style-type: none"> - CRC size 	A4	<p>2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 5</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size <ul style="list-style-type: none"> - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval <ul style="list-style-type: none"> - Type of channel coding <ul style="list-style-type: none"> - Coding Rate 	A3	<p>(DCH for DTCH) DCH 1</p> <p>Dedicated transport channels</p> <p>Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All</p> <p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH 10 Same as UL DCH 5 Not Present 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 Not Present
Added or Reconfigured DL TrCH information <ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info 	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 Not Present
Frequency info <ul style="list-style-type: none"> - UARFCN uplink (Nu) 	A1,A2,A3, A4,A5,A6	Reference to clause 5.1 Test frequencies

Information Element	Condition	Value/remark
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
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"> -Uplink DPCH power control info - DPCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit 	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"> - Downlink PDSCH information 	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"> - 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 - DPCH compressed mode info - TX Diversity mode - SSdT information - Default DPCH Offset Value 	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"> - 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 - DPCH compressed mode info - TX Diversity mode 	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

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - SSDT information - Default DPCH Offset Value 		<p>Not Present</p> <p>Arbitrary set to value 0..306688 by step of 512</p>
<p>Downlink information for each radio link list</p> <ul style="list-style-type: none"> - 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 $P_{Pilot-DPCH}$ - 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	<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"> - 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 $P_{Pilot-DPCH}$ - 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	<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"> - 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	<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"> - 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	<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 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	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	
Integrity check info	The presence of this IE is dependent on I _X 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.
- 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 I _X 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.
- 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	If this message is sent on CCCH, use the following values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity check info	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	
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	Not Present
New C-RNTI	Not Present
RRC state indicator	URA_PCH
UTRAN DRX cycle length coefficient	3
CN information info	Not Present
URA identity	See the test content
Downlink counter synchronisation info	Not Present

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info	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 a CN domain for which a signalling connection exists
NAS message	Set according to that indicated in specific message content clause
Measured results on RACH	Not checked

Contents of UTRAN MOBILITY INFORMATION message: AM or UM

Information Element	Value/remark
Message Type	
Integrity check info	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	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 - 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	46
- 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	Not Present
- 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	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	46
- 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	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	Not Present
- 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	46
- MAC logical channel priority	1
- Downlink RLC logical channel info	DCH
- Number of downlink RLC logical channels	8
- Downlink transport channel type	Not Present
- 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	Not Present
- PRACH TFCS	TDD
- CHOICE mode	(This IE is repeated for TFC number.)
- Individual UL CCTrCH information	0 to MaxTFCvalue-1 (MaxTFCvalue is refer to
- TFCS ID	TS34.108 clause 6 Parameter Set.)
- Allowed Transport Format combination	(This IE is repeated for TFC number.)
- PRACH TFCS	Normal
- CHOICE TFCI signalling	Number of used bits must be enough to cover
- TFCI Field 1 information	all combinations of CTFC from clauses 6.
- TFCS complete reconfigure information	Refer to TS34.108 clause 6 Parameter Set
- CHOICE TFCS Size	Not Present
- CTFC information	TDD
- CHOICE mode	Not Present
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
- Added or Reconfigured UL TrCH information	DCH
- Uplink transport channel type	1
- UL Transport channel identity	Dedicated transport channels
- TFS	
- CHOICE Transport channel type	

Information Element	Value/remark
<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> 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 2
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS 	<ul style="list-style-type: none"> 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 DCH 3
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<ul style="list-style-type: none"> 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
<p>CHOICE mode</p>	<p>TDD (no data)</p>
<p>DL Transport channel information common for all transport channel</p>	
<ul style="list-style-type: none"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	<ul style="list-style-type: none"> Not Present TDD Same as 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"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value 	<ul style="list-style-type: none"> DCH 6 Same as UL DCH 1 -6.3
<p>Transparent mode signalling info</p>	<p>Not Present</p>
<ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity 	<ul style="list-style-type: none"> DCH 7

Information Element	Value/remark
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
Transparent mode signalling info	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
Transparent mode signalling info	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	3.84 Mcps
- Individual timeslot interference info	
- DPCH Constant Value	
- 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 nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set.
- TFCI coding	Reference to TS34.108 clause 6 Parameter set.
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter set.
- Repetition Period	clause 6 Parameter set.
- Repetition Length	clause 6 Parameter set.
- Uplink DPCH timeslots and code	
- First individual timeslot info	
- Timeslot number	The number of an uplink timeslot that has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	3.84 Mcps
- Midamble allocation mode	Default
- Midamble configuration burst type 1 and 3	16
- CHOICE TDD option	(no data)
- First timeslot channelisation codes	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 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.
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- CHOICE mode	TDD
- TPC step size	1 dB
- CHOICE mode	TDD

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

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	46
- 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	46
- 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	46
- 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. Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
- Added or Reconfigured UL TrCH information	
- 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"> - 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 	<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS 	<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> - CHOICE mode 	<ul style="list-style-type: none"> TDD (no data)
<ul style="list-style-type: none"> - DL Transport channel information common for all transport channel 	<ul style="list-style-type: none">
<ul style="list-style-type: none"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	<ul style="list-style-type: none"> Not Present TDD Same as UL
<ul style="list-style-type: none"> - Deleted TrCH information list 	<ul style="list-style-type: none"> Not Present
<ul style="list-style-type: none"> - Added or Reconfigured TrCH information list 	<ul style="list-style-type: none"> 3 DCHs
<ul style="list-style-type: none"> - Added or Reconfigured DL TrCH information 	<ul style="list-style-type: none">
<ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value 	<ul style="list-style-type: none"> DCH 6 Same as UL DCH 1 -6.3
<ul style="list-style-type: none"> - Transparent mode signalling info 	<ul style="list-style-type: none"> Not Present
<ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity 	<ul style="list-style-type: none"> DCH 7

Information Element	Value/remark
<ul style="list-style-type: none"> - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value 	<p>Same as UL DCH 2 Not Present</p>
<p>Transparent mode signalling info</p>	<p>Not Present</p>
<ul style="list-style-type: none"> - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value 	<p>DCH 8 Same as UL DCH 3 Not Present</p>
<p>Transparent mode signalling info</p>	<p>Not Present</p>
<p>Frequency info</p>	
<ul style="list-style-type: none"> - UARFCN Nt) 	<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"> - Uplink DPCH power control info 	<p>TDD</p>
<ul style="list-style-type: none"> - CHOICE mode 	<p>Reference to TS34.108 Parameter set.</p>
<ul style="list-style-type: none"> - UL Target SIR 	<p>Individually signalled</p>
<ul style="list-style-type: none"> - CHOICE UL OL PC info 	<p>1.28 Mcps</p>
<ul style="list-style-type: none"> - CHOICE TDD option 	<p>1 dB</p>
<ul style="list-style-type: none"> - TPC step size 	<p>Not Present</p>
<ul style="list-style-type: none"> - Primary CCPCH Tx Power 	<p>TDD</p>
<ul style="list-style-type: none"> - CHOICE mode 	<p>Not Present</p>
<ul style="list-style-type: none"> - Uplink Timing Advance Control 	<p>Not Present</p>
<ul style="list-style-type: none"> - UL CCTrCH List 	<p>1</p>
<ul style="list-style-type: none"> - TFCS Id 	<p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p>
<ul style="list-style-type: none"> - Time info 	<p>infinite</p>
<ul style="list-style-type: none"> - Activation time 	<p>Reference to TS34.108 clause 6 Parameter Set.</p>
<ul style="list-style-type: none"> - Duration 	<p>Reference to TS34.108 clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - Common timeslot info 	<p>Reference to TS34.108 clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - 2nd interleaving mode 	<p>clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - TFCI coding 	<p>clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - Puncturing Limit 	<p>clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - Repetition Period 	<p>clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - Repetition Length 	<p>clause 6 Parameter set.</p>
<ul style="list-style-type: none"> - Uplink DPCH timeslots and code 	<p>The number of an uplink timeslot that has</p>
<ul style="list-style-type: none"> - First individual timeslot info 	<p>unassigned codes.</p>
<ul style="list-style-type: none"> - Timeslot number 	<p>TRUE</p>
<ul style="list-style-type: none"> - TFCI existence 	<p>1.28 Mcps</p>
<ul style="list-style-type: none"> - Midamble shift and burst type 	<p>Default</p>
<ul style="list-style-type: none"> - CHOICE TDD option 	<p>16</p>
<ul style="list-style-type: none"> - Midamble allocation mode 	<p>QPSK</p>
<ul style="list-style-type: none"> - Midamble configuration 	<p>1</p>
<ul style="list-style-type: none"> - CHOICE TDD option 	<p>Repeated (1,2) for each channelisation code assigned in</p>
<ul style="list-style-type: none"> - Modulation 	<p>the slot to meet the needs of TS34.108 clause 6</p>
<ul style="list-style-type: none"> - SS-TPC Symbols 	<p>Parameter Set.</p>
<ul style="list-style-type: none"> - First timeslot channelisation codes 	<p>(i/SF) where i denotes an unassigned code</p>
<ul style="list-style-type: none"> - Channelisation code 	<p>matching the SF specified in TS34.108 clause 6</p>
<ul style="list-style-type: none"> - CHOICE more timeslots 	<p>Parameter Set.</p>
<ul style="list-style-type: none"> - CHOICE mode 	<p>The presence of this IE depends upon the number of</p>
<ul style="list-style-type: none"> - Downlink information common for all radio links 	<p>resources specified in TS34.108 section 6 and the</p>
<ul style="list-style-type: none"> - Downlink DPCH info common for all RL 	<p>number of slots in which they are being assigned.</p>
<ul style="list-style-type: none"> - Timing indicator 	<p>TDD</p>
<ul style="list-style-type: none"> - CFN-targetSFN frame offset 	<p>Maintain</p>
<ul style="list-style-type: none"> - Downlink DPCH power control information 	<p>Not Present</p>
<ul style="list-style-type: none"> - CHOICE mode 	<p>TDD</p>

Information Element	Value/remark
<ul style="list-style-type: none"> - TPC step size - CHOICE mode - CHOICE TDD option - TSTD indicator - Default DPCH offset value - Downlink information for each radio link <ul style="list-style-type: none"> - Choice mode - Primary CCPCH info <ul style="list-style-type: none"> - CHOICE TDD option - TSTD indicator - Cell parameters ID - Block STTD indicator - Downlink DPCH info for each RL <ul style="list-style-type: none"> - CHOICE mode - DL CCTrCH List - TFCS ID - Time info <ul style="list-style-type: none"> - Activation time - Duration - Common timeslot info <ul style="list-style-type: none"> - 2nd interleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes <ul style="list-style-type: none"> - Individual timeslot info <ul style="list-style-type: none"> - Timeslot number 	<p>1 dB</p> <p>TDD</p> <p>1.28 Mcps</p> <p>TRUE</p> <p>0</p> <p>TDD</p> <p>1.28 Mcps</p> <p>TRUE</p> <p>0</p> <p>FALSE</p> <p>TDD</p> <p>1</p> <p>$(256+CFN-(CFN \text{ mod } 8 + 8)) \text{ mod } 256$</p> <p>infinite</p> <p>Reference to TS34.108</p> <p>TRUE</p> <p>Reference to TS34.108 clause 6 Parameter set</p> <p>1</p> <p>Empty</p> <p>The number of a downlink timeslot that has unassigned codes.</p>
<ul style="list-style-type: none"> - TFCI existence - Midamble shift and burst type <ul style="list-style-type: none"> - CHOICE TDD option - Midamble Allocation Mode - Midamble configuration - CHOICE TDD option <ul style="list-style-type: none"> - Modulation - SS-TPC Symbols - First timeslot channelisation codes <ul style="list-style-type: none"> - First channelisation code - Last channelisation code - Bitmap - CHOICE more timeslots 	<p>TRUE</p> <p>1.28 Mcps</p> <p>Default</p> <p>16</p> <p>1.28 Mcps</p> <p>QPSK</p> <p>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..</p> <p>(j/SF) where j is the highest numbered code that is being assigned in the slot.</p> <p>Bitmap of the codes that are being assigned in the slot.</p> <p>The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..</p>
<ul style="list-style-type: none"> - UL CCTrCH TPC List -SCCPCH information for FACH 	<p>Not Present</p> <p>Not Present</p>

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

Information Element	Value/remark
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.
<ul style="list-style-type: none"> - message authentication code 	SS calculates the value of MAC-I for this message and writes to this IE.
<ul style="list-style-type: none"> - RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Cipherring mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If cipherring is indicated to be active, this IE present with the values of the sub IEs as stated below.
<ul style="list-style-type: none"> - Cipherring mode command 	Else, this IE is omitted.
<ul style="list-style-type: none"> - Cipherring algorithm 	Start/restart
<ul style="list-style-type: none"> - Cipherring activation time for DPCH 	Use one of the supported cipherring algorithms
<ul style="list-style-type: none"> - Radio bearer downlink cipherring activation time 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

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	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 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	48
- 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	68
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- 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
- Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS Id	1
- Shared Channel Indicator	FALSE
- CHOICE DL parameters	Independent
- DL DCH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS complete reconfigure information	
- CHOICE CTFC Size	Refer to TS34.108 clause 6.

Information Element	Value/remark
- 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 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target	
- BLER Quality value	-6.3
Transparent mode signalling info	Not Present
Frequency info	
-CHOICE mode	TDD
- UARFCN (Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30 dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- UL Target SIR	Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	3.84 Mcps
- Individual timeslot interference	
info	
- Individual timeslot interference	
- DPCH Constant Value	Values are used for open loop power control, section 8 in TS 25.331
- CHOICE mode	TDD

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

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

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

Information Element	Value/remark
Message Type	
RRC transaction identifier	
Integrity check info	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

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	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 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	48
- 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	68
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	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 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
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	
- TFCS Id	1
- Shared Channel Indicator	FALSE
- CHOICE DL parameters	Independent
- DL DCH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS complete reconfigure information	
- CHOICE CTFC Size	Refer to TS34.108 clause 6.

Information Element	Value/remark
- 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
- Transparent mode signalling info	Not Present
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
- 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	
- 2nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6 Parameter Set
- First individual timeslot info	
- Timeslot number	The number of an uplink timeslot that has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	1.28 Mcps
- Midamble allocation mode	Default
- Midamble configuration	16
- CHOICE TDD option	1.28 Mcps TDD
- Modulation	QPSK

Information Element	Value/remark
- 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.
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	
- DPC mode	0 (single)
- CHOICE mode	TDD
- TPC step size	1 dB
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	TRUE
- 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 mode	TDD
- CHOICE TDD option	1.28 Mcps
- TSTD indicator	TRUE
- Cell parameters ID	0
- Block STTD indicator	FALSE
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- Individual timeslot info	
- 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

Information Element	Value/remark
<ul style="list-style-type: none"> - SS-TPC Symbols - First timeslot channelisation codes - First channelisation code 	1
<ul style="list-style-type: none"> - Last 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..
<ul style="list-style-type: none"> - Bitmap 	(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.
<ul style="list-style-type: none"> - 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 style="list-style-type: none"> - UL CCTrCH TPC List 	Not Present
<ul style="list-style-type: none"> -SCCPCH information for FACH 	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.
- 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE is 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	Use T314
- RB information to setup	
- RB identity	10
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM-RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM-RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- 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	4
- Uplink transport channel type	DCH
- UL Transport channel identity	2
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	4
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM 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	4
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	4
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCvalue is refer to TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3-DCHs
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	4
- TFS	
- CHOICE Transport channel type	Dedicated transport channels

Information Element	Value/remark
Dynamic Transport format information	
RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List	(This IE is repeated for TFI number.)
Transmission Time Interval	Not Present
Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Logical Channel list	All
Semi-static Transport Format information	
Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
CRC size	Reference to TS34.108 clause 6.10 Parameter Set
Uplink transport channel type	DCH
UL Transport channel identity	2
TFS	
CHOICE Transport channel type	Dedicated transport channels
Dynamic Transport format information	
RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List	(This IE is repeated for TFI number.)
Transmission Time Interval	Not Present
Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
Number of Transport blocks	(This IE is repeated for TFI number.)
CHOICE Logical Channel list	All
Semi-static Transport Format information	
Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
CRC size	Reference to TS34.108 clause 6.10 Parameter Set
Uplink transport channel type	DCH
UL Transport channel identity	3
TFS	
CHOICE Transport channel type	Dedicated transport channels
Dynamic Transport format information	
RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List	(This IE is repeated for TFI number.)
Transmission Time Interval	Not Present
Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
Number of Transport blocks	(This IE is repeated for TFI number.)
CHOICE Logical Channel list	All
Semi-static Transport Format information	
Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	TDD (no data)
DL Transport channel information common for all transport channel	
SCCPCH TFCS	Not Present
CHOICE mode	TDD
CHOICE DL parameters	Same as UL
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3-DCHs
Added or Reconfigured DL TrCH information	
Downlink transport channel type	DCH
DL Transport channel identity	6
CHOICE DL parameters	Same as UL
Uplink transport channel type	DCH
UL TrCH identity	4
DCH quality target	
BLER Quality value	6.3
Transparent mode signalling info	Not Present
Downlink transport channel type	DCH
DL Transport channel identity	7

Information Element	Value/remark
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Transparent mode signalling info	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
- Transparent mode signalling info	Not Present
Frequency info	
- UARFCN N ₁	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 target SFN 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	4
Time info	
- Activation time	$(256 + CFN - (CFN \text{ mod } 8 + 8)) \text{ mod } 256$
- Duration	infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	4
- 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 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

Information Element	Value/remark
— Last channelisation code	that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set.
— Bitmap	(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.
— 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)

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.
— 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	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE is 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

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	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-for-each-multiplexing-option	2-RBMuxOptions
- RLC-logical-channel-mapping-indicator	Not Present
- Number-of-uplink-RLC-logical-channels	4
- Uplink-transport-channel-type	DCH
- UL-Transport-channel-identity	4
- Logical-channel-identity	Not Present
- CHOICE-RLC-size-list	Configured
- MAC-logical-channel-priority	4
- Downlink-RLC-logical-channel-info	
- Number-of-downlink-RLC-logical-channels	4
- 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	4
- Uplink-transport-channel-type	RACH
- UL-Transport-channel-identity	Not Present
- Logical-channel-identity	7
- CHOICE-RLC-size-list	Explicit-List
- RLC-size-index	Reference-to-TS34.108-clause-6-Parameter-Set
- MAC-logical-channel-priority	6
- Downlink-RLC-logical-channel-info	
- Number-of-downlink-RLC-logical-channels	4
- Downlink-transport-channel-type	FACH
- DL-DCH-Transport-channel-identity	Not Present

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7
- RB information to be affected list	Not Present
- Downlink counter synchronisation info	Not Present
- UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCvalue is refer to TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
- Deleted TrCH information list	Not Present
- Added or Reconfigured TrCH information list	
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	4
- 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
- CHOICE Logical Channel list	All

Information Element	Value/remark
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
- DCH quality target	
- BLER Quality value	6.3
- Transparent mode signalling info	Not Present
Frequency info	
- CHOICE mode	TDD
- UARFCN (N1)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30 dBm
- CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- UL Target SIR	Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info	Individually signalled
- Uplink Timing Advance Control	Not Present
- UL CCTrCH List	
- TFCS Id	4
- Time info	
- Activation time	$(256 + CFN - (CFN \text{ MOD } 8 + 8)) \text{ MOD } 256$
- Duration	Infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- First individual timeslot info	
- Timeslot number	The number of an uplink 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	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.
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN target SFN 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	

Information Element	Value/remark
- CHOICE mode	TDD
- DL CCTrCH List	1
- TFCS ID	1
- Time info	(256+CFN-(CFN mod 8 + 8)) mod 256
- Activation time	infinite
- Duration	
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCCH 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 type 1 and 3	As defined in 3GPP TS 25.224
- 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

<p>Message Type RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> - Message authentication code - RRC Message sequence number <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"> - Message authentication code - RRC Message sequence number <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. 0000 0000 0001B
- SRNC identity	0000 0000 0000 0000 0001B
- S-RNTI	0
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 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) (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

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
	21
- MAC logical channel priority	
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

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	32
- 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	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- 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	43
- 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	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
<ul style="list-style-type: none"> - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index 	<p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>5</p> <p>4</p> <p>Configured</p> <p>4</p> <p>1</p> <p>DCH</p> <p>10</p> <p>Not Present</p> <p>4</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>4</p> <p>Explicit List</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p>
<ul style="list-style-type: none"> - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity 	<p>54</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>4</p>
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> - PRACH TFCS - CHOICE mode <ul style="list-style-type: none"> - Individual UL CCTrCH information - UL TFCS ID - UL TFCS - TFC subset 	<p>Not Present</p> <p>TDD</p> <p>(This IE is repeated for TFC number.)</p> <p>Default value is the complete existing set of transport format combinations</p>
<ul style="list-style-type: none"> - Allowed Transport Format combination 	<p>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</p> <p>(This IE is repeated for TFC number.)</p> <p>Normal</p>
<ul style="list-style-type: none"> - PRACH TFCS - CHOICE TFCI signalling <ul style="list-style-type: none"> - TFCI Field 1 information - TFCI complete reconfigure information - CHOICE TFCI Size - CTFC information - CHOICE mode <ul style="list-style-type: none"> - Individual UL CCTrCH information - Deleted TrCH information list - Added or Reconfigured UL TrCH information 	<p>Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set</p> <p>Not Present</p> <p>TDD</p> <p>Not Present</p> <p>Not Present</p>

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	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS ID	1
- Shared Channel Indicator	
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- DCH quality target	
- BLER Quality target	-6.3
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
HOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps
- UL target SIR	Reference to TS34.108 Parameter set
- CHOICE mode	TDD
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	3.84 Mcps
- Individual timeslot interference info	Not Present
- Individual timeslot interference	
- DPCH Constant Value	
- 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	
- 2nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	

Information Element	Value/remark
- Choice mode	TDD
- Primary CCPCH info	Sync Case 1
- CHOICE <i>SyncCase</i>	PCCPCH timeslot
- Timeslot	0
- Cell parameters ID	TDD
- SCTD indicator	1
- Downlink DPCH info for each RL	(256+CFN-(CFN mod 8 + 8))mod 256
- CHOICE mode	infinite
- DL CCTrCH List	Reference to TS34.108
- TFCS ID	TRUE
- Time info	Reference to TS34.108 clause 6 Parameter set 1
- Activation time	1
- Duration	Empty
- Common timeslot info	
- 2 nd interleaving mode	3.84 Mcps
- TFCI coding	The number of a downlink timeslot that has unassigned codes in a frame.
- Puncturing limit	
- Repetition period	TRUE
- Repetition length	3.84 Mcps
- Downlink DPCH timeslots and codes	
- CHOICE <i>more timeslots</i>	
- CHOICE TDD option	
- Timeslot number	
- Individual timeslot info	
- 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.
- 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	FALSE

Information Element	Value/remark
requirement	
- UE radio access TDD capability update requirement	TRUE
requirement	
- System specific capability update requirement list	gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- 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	21
- 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	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- 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	32
- 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	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- 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	43
- 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	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
<ul style="list-style-type: none"> - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index 	<p>1</p> <p>TRUE</p> <p>TRUE</p> <p>99</p> <p>Not Present</p> <p>AM RLC</p> <p>TRUE</p> <p>128</p> <p>200</p> <p>Not Present</p> <p>TRUE</p> <p>Not Present</p> <p>2 RBMuxOptions</p> <p>Not Present</p> <p>1</p> <p>DCH</p> <p>5</p> <p>4</p> <p>Configured</p> <p>4</p> <p>1</p> <p>DCH</p> <p>10</p> <p>Not Present</p> <p>4</p> <p>Not Present</p> <p>1</p> <p>RACH</p> <p>Not Present</p> <p>4</p> <p>Explicit List</p> <p>According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer</p>
<ul style="list-style-type: none"> - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity 	<p>54</p> <p>1</p> <p>FACH</p> <p>Not Present</p> <p>Not Present</p> <p>4</p>
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> - PRACH TFCS - CHOICE mode <ul style="list-style-type: none"> - Individual UL CCTrCH information - UL TFCS ID - UL TFCS - TFC subset 	<p>Not Present</p> <p>TDD</p> <p>(This IE is repeated for TFC number.)</p> <p>Default value is the complete existing set of transport format combinations</p>
<ul style="list-style-type: none"> - Allowed Transport Format combination 	<p>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</p> <p>(This IE is repeated for TFC number.)</p> <p>Normal</p>
<ul style="list-style-type: none"> - PRACH TFCS - CHOICE TFCI signalling <ul style="list-style-type: none"> - TFCI Field 1 information - TFCI complete reconfigure information - CHOICE TFCI Size - CTFC information - CHOICE mode <ul style="list-style-type: none"> - Individual UL CCTrCH information - Deleted TrCH information list - Added or Reconfigured UL TrCH information 	<p>Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set</p> <p>Not Present</p> <p>TDD</p> <p>Not Present</p> <p>Not Present</p>

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	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- CHOICE mode	TDD
- Transmission Time Interval	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Individual DL CCTrCH information	
- DL TFCS Identity	
- TFCS ID	1
- Shared Channel Indicator	
- CHOICE DL parameters	Same as UL
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- DCH quality target	
- BLER Quality target	-6.3
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
HOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps
- PRXPDPCHdes	Reference to TS34.108 Parameter set
- CHOICE mode	TDD
- CHOICE UL OL PC info	Individually signalled
- CHOICE TDD option	1.28 Mcps
- TPC step size	Not Present
- Primary CCPCH Tx Power	Not Present
- Time info	
- Activation time	$(256+CFN-(CFN \text{ MOD } 8 + 8)) \text{ MOD } 256$
- Duration	Infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- 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
- 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	1
- TFCS ID	
- Time info	
- Activation time	$(256+CFN-(CFN \text{ mod } 8 + 8)) \text{ mod } 256$
- Duration	infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE more timeslots	
- 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	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration	As defined in 3GPP TS 25.221
- 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	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot..
- CHOICE more timeslots	
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

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	9
Activation time	Not Present(Now)
New U-RNTI	
SRNC identity	0000-0000-0001B
S-RNTI	0000-0000-0000-0000-0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
UE radio access FDD capability update requirement	FALSE
UE radio access TDD capability	TRUE

Information Element	Value/remark
update-requirement	
- System-specific-capability-update	gsm
requirement-list	
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	4
- 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	4
- 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	4
- 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	2
- Downlink-RLC-logical-channel-info	
- Number-of-RLC-logical-channels	4
- Downlink-transport-channel-type	FACH
- DL-DCH-Transport-channel-identity	Not Present
- DL-DSCH-Transport-channel-identity	Not Present
- Logical-channel-identity	4
Signalling-RB-information-to-setup	(AM-DCCH for RRC)
- RB-identity	Not Present
- CHOICE-RLC-info-type	
- RLC-info	
- CHOICE-Uplink-RLC-mode	AM-RLC
- Transmission-RLC-discard	
- SDU-discard-mode	No-Discard
- MAX-DAT	415
- Transmission-window-size	128
- Timer-RST	500
- Max-RST	4
- Polling-info	
- Timer-poll-prohibit	200
- Timer-poll	200
- Poll-PDU	Not present

Information Element	Value/remark
- Poll_SDU	4
- 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	4
- 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	4
- 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	4
- 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	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	4
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM-DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM-RLC
- Transmission RLC discard	
- SDU discard mode	No-Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	4
- 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	4
- 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	4
- 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	4
- 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	4
- Downlink_RLC_logical_channel_info	
- Number of RLC logical channels	4
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM_DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink_RLC_mode	AM_RLC
- Transmission_RLC_discard	
- SDU discard mode	No discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	4
- 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	4
- 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	4
- 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	4
- 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	5
- Downlink_RLC_logical_channel_info	
- Number of RLC logical channels	4
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	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 TFCS signalling	Normal
- TFCS Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	

Information Element	Value/remark
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC size	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- Number of TBs and TTI lists	(This IE is repeated for TFI-number)
- Transmission Time Interval	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- Number of Transport blocks	According to TS34.108 clause 6 for 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 for standalone 13.6 kbps signalling radio bearer
- Type of channel coding	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- Coding Rate	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- Rate matching attribute	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
- CRC size	According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured 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
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
- Uplink Timing Advance Control	Not Present
- UL CCTrCH List	
- TFCS Id	4
- Time info	
- Activation time	$(256 + CFN - (CFN \text{ MOD } 8 + 3)) \text{ MOD } 256$
- Duration	Infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- First individual timeslot info	
- Timeslot number	The number of an uplink timeslot that has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE Burst Type	
- Type 4	
- Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	
- 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.

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	
- 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	4
- Time info	
- Activation time	$(256 + CFN - (CFN \text{ mod } 8 + 8)) \text{ mod } 256$
- Duration	infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	4
- 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	Default
- Midamble Allocation Mode	As defined in 3GPP TS 25.224
- 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.
- Last channelisation code	
- 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	
- 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	
- UL CCTrCH TPC List	Not Present
- SCCPCH information for FACH	
- 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	<p>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.</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>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.</p>
RRC transaction identifier	
Integrity check info	
- Message authentication code	
- RRC Message sequence number	
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	<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>
Integrity check info	
- Message authentication code	
- RRC Message sequence number	
CN domain identity	
NAS message	Checked to see if set to supported CN domain as specified in the IXIT statements
Measured results on RACH	Set according to that indicated in specific message content clause
	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 and UE test loop mode 1 without Dummy DCCH transmission are set to default message contents.

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"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>200 200 TRUE Not Present</p> <p>2RBMuxOptions 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 86</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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCSI signalling - TFCSI Field 1 information - CHOICE TFCS representation 	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"> - TFCS complete reconfigure information - CHOICE CTFC Size <ul style="list-style-type: none"> - CTFC information - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} 		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"> - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS <ul style="list-style-type: none"> - CHOICE Transport channel type - Dynamic Transport Format Information <ul style="list-style-type: none"> - RLC size - Number of TBs and TTI List <ul style="list-style-type: none"> - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - CHOICE Logical Channel List - Semi-static Transport Format Information <ul style="list-style-type: none"> - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	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"> - CPCH set ID - 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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	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"> - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters 	A1,A3	Not Present 1 DCH 6 Same as UL

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value Transparent mode signalling info 		DCH 1 -2.0 Not Present
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> - Uplink DPCH power control info - CHOICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode <ul style="list-style-type: none"> - Downlink PDSCH information 	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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - CHOICE mode - Power offset $P_{\text{Pilot-DPCH}}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> - 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 - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH 	A1,A3	FDD 100 Not Present Not Present FDD Primary CPICH may be used 0 chips 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	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
U-RNTI	
- 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:
Integrity check info	(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 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	12
- 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	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	23
- 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	15
- 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	2 RB mapping info
- RB mapping info	2 RBMuxOptions
- Information for each multiplexing option	Not Present
- 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	1
- Number of RLC logical channels	DCH
- Downlink transport channel type	10
- DL DCH Transport channel identity	Not Present
- 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	34
- Downlink RLC logical channel info	1
- Number of 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	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	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	45
- 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
<ul style="list-style-type: none"> - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - 2bit CTFC - Power offset Information - CHOICE Gain Factors - Reference TFC ID - CHOICE mode - Power offset Pp-m - 2bit CTFC - Power offset Information - CHOICE Gain Factors - CHOICE mode - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode - Power offset Pp-m 	<ul style="list-style-type: none"> Complete reconfiguration 2 bit CTFC 2 TFCs 0 computedGainFactors 0 FDD Not Present 1 signalledGainFactors FDD 15 15 0 FDD Not Present
Added or Reconfigured UL TrCH information list	1
<ul style="list-style-type: none"> - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport Format Information - RLC size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format Information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<ul style="list-style-type: none"> DCH 5 Dedicated transport channels 96 bits 2 Not Present 0 Not Present 1 ALL 40 Convolutional 1/3 256 12
DL Transport channel information common for all transport channel	
<ul style="list-style-type: none"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	<ul style="list-style-type: none"> Not Present FDD Same as UL
Added or Reconfigured DL TrCH information list	1
<ul style="list-style-type: none"> - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH Identity - DCH quality target - BLER Quality value 	<ul style="list-style-type: none"> DCH 10 SameasUL DCH 5 -2.0
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Uplink DPCH info
<ul style="list-style-type: none"> - Uplink DPCH power control info 	

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

3GPP TSG-T WG1 Meeting #16
Yokohama, Japan, 29 July – 2 August 2002

Tdoc T1-020508

3GPP TSG-T WG1 SIG Meeting #24
Yokohama, Japan, 29 July – 2 August 2002

Tdoc T1S-020394

CR-Form-v7
CHANGE REQUEST
⌘ 34.108 CR 128 ⌘ rev - ⌘ Current version: 3.8.0 ⌘

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

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

Title:	⌘ Additional default message contents for RF Testing		
Source:	⌘ Rohde & Schwarz		
Work item code:	⌘ -	Date:	⌘ 11/07/2002
Category:	⌘ F	Release:	⌘ 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 TR 21.900.		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ For UE uplink RF testing the transmission of dummy messages on DCCH is required
Summary of change:	⌘ A new message is proposed to include the transmission of dummy messages on DCCH according to 34.109. It is further proposed to use test loop 2 to avoid any influence of MAC or RLC scheduling on RF tests.
Consequences if not approved:	⌘ Missing transmission on DCCH will cause ambiguous results for UE uplink RF measurements.

Clauses affected:	⌘ 9.2								
Other specs affected:	<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 style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N	X	X	X	X	X	X
Y	N								
X	X								
X	X								
X	X								
Other comments:	⌘ Isolated Impact Analysis: Does not affect implementation of the UE.								

How to create CRs using this form:

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

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

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

9.2 Default Message Contents for RF

This clause contains the default values of common messages for RF test. The parameters of the UL/DL reference measurement channel 12.2kbps, ~~and~~ 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.

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 - 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

3GPP TSG-T WG1 Meeting #16
Yokohama, Japan, 29 July – 2 August 2002

Tdoc T1-020509

3GPP TSG-T WG1 SIG Meeting #24
Yokohama, Japan, 29 July – 2 August 2002

Tdoc T1S-020395

CR-Form-v7	CHANGE REQUEST
⌘ 34.108 CR 129 ⌘ rev - ⌘ Current version: 4.3.0 ⌘	

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

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

Title:	⌘ Additional default message contents for RF Testing		
Source:	⌘ Rohde & Schwarz		
Work item code:	⌘ TEI	Date:	⌘ 11/07/2002
Category:	⌘ A	Release:	⌘ Rel-4
	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 TR 21.900.		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ For UE uplink RF testing the transmission of dummy messages on DCCH is required
Summary of change:	⌘ A new message is proposed to include the transmission of dummy messages on DCCH according to 34.109. It is further proposed to use test loop 2 to avoid any influence of MAC or RLC scheduling on RF tests.
Consequences if not approved:	⌘ Missing transmission on DCCH will cause ambiguous results for UE uplink RF measurements.

Clauses affected:	⌘ 9.2								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N	X	X	X	X	X	X
Y	N								
X	X								
X	X								
X	X								
Other comments:	⌘ Isolated Impact Analysis: Does not affect implementation of the UE.								

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.

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, ~~and~~ 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.

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 - 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

3GPP TSG-T1 Meeting #16
Yokohama, Japan, 29th July – 2nd August 2002

Tdoc № T1-020526

3GPP TSG-T1/SIG Meeting #24
Yokohama, Japan, 29-31 July 2002

Tdoc № T1S-020508

CR-Form-v6.1

CHANGE REQUEST

№ **TS 34.108 CR 130** № rev - № Current version: **3.8.0** №
Spec Title: Common test environments for User Equipment (UE) Conformance testing

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 34.108 REL-99; Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL message

Source: № Ericsson

Work item code: № - **Date:** № 2002-07-30

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: № The default contents for SIBs 11 and 12, as well as for the MEASUREMENT CONTROL message contain some minor errors. For each cell in the test environment, SIB11 and SIB 12 need to be adjusted to take into account that the serving cell is not cell 1, but cell 2,3,4...

Summary of change: № Changes introduced in T1S-020508 are color coded as blue.

- Merge of changes to SIB11 from T1S-020348 (Panasonic).

Changes introduced in T1S-020475 from T1S-020396 are color coded as yellow.

- 6.1.0b: Default values for cell 1 for SIB 11 and SIB12 in 6.1.0b moved to 6.1.4 to have SIB11 and SIB12 defined in same place.
- 6.1.0b (now 6.1.4): In the default SIB11 and SIB12, the IE "Cells for measurement" should not be repeated after each cell, it is only included once at the end of the IE "Intra-frequency cell info list".
- 6.1.0b (now 6.1.4): In the default SIB11 and SIB12, the IE "Reporting range" is actually named "Reporting range constant".
- 6.1.4: for each cell in the test environment, the contents of SIB 11 and 12 need to be adjusted to take into account which cell is the serving cell: for that one, the IE Cell selection and reselection info shall not be

	<p>present.</p> <ul style="list-style-type: none"> - 9.1.1: In the default MEASUREMENT CONTROL message, the IE "Periodical/Event trigger reporting" is misnamed. So is the value it is assigned. - 9.1.1: In the default MEASUREMENT CONTROL message, the IE "intra-frequency cell info" is actually named "intra-frequency cell info list". - 9.1.1: In the default MEASUREMENT CONTROL message, the IE CHOICE "intra-frequency cell removal" is missing. It shall be stated that this shall not be present (which means that no cells shall be removed from the list). - 9.1.1: In the default MEASUREMENT CONTROL message, the IE "reporting quantities for monitored cell" is misnamed.
Consequences if not approved:	<p>⌘ Incorrect settings in SIB 11 and 12 for cells 2 to 8 in the test environment. Inaccuracy in the default message content descriptions of those system information blocks and of the MEASUREMENT CONTROL message.</p>

Clauses affected:	⌘ 6.1.0b, 6.1.4, 9.1.1												
Other specs Affected:	<table border="0"> <tr> <td>⌘ <input type="checkbox"/></td> <td>Other core specifications</td> <td>⌘</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Test specifications</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>O&M Specifications</td> <td></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												
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/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.

6.1.0b Default System Information Block Messages

<Start of modified table>

Contents of System Information Block type 11 (FDD)

[See sub-clause 6.1.4 for contents of System Information Block type 11 \(FDD\) for cell 1 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	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
-Cell for measurement	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 _{s,n}	0 dB
-Qoffset2 _{s,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
-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 _{s,n}	0 dB
-Qoffset2 _{s,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
-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 _{s,n}	0 dB
Qoffset2 _{s,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
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 _{s,n}	0 dB
Qoffset2 _{s,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
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 _{s,n}	0 dB
Qoffset2 _{s,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
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	0 dB
Qoffset1 _{s,n}	Not Present
Qoffset2 _{s,n}	Reference to table 6.1.1
Maximum allowed UL TX power	Not Present
HCS neighbouring cell information	FDD
CHOICE mode	Reference to table 6.1.1
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Cell for measurement	Not Present
Intra-frequency cell id	8
Cell info	
Cell individual offset	0 dB
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 _{s,n}	0 dB
Qoffset2 _{s,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
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 identity reporting indicator	TRUE
Cell synchronisation information reporting indicator	FALSE
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 identity reporting indicator	TRUE
Cell synchronisation information 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	5 dB

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 and monitored 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	
CHOICE reported cell	Report cell within active set and/or monitored set 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 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells

- New intra-frequency cells	1
- Intra-frequency cell id	
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	TRUE
- CHOICE mode	TDD
- Primary CCPCH info	
- Cell parameters ID	Reference clause 6.1 Default settings for cell
- 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	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement quantity list	
- 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
- 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	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	Report cell within active set and/or monitored cells on used frequency
- CHOICE reported cells	3
- Maximum number of reported cells	Not Present
- 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)

[See sub-clause 6.1.4 for contents of System Information Block type 12 \(FDD\) for cell 1 to 8.](#)

- 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

Intra-frequency cell info list	Remove no intra-frequency cells
CHOICE intra-frequency cell removal	
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
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1_{s,n}	0 dB
Qoffset2_{s,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
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_{s,n}	0 dB
Qoffset2_{s,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
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_{s,n}	0 dB
Qoffset2_{s,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
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	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary scrambling code	Not Present
Primary CPICH TX power	FALSE
TX Diversity indicator	0 dB
Cell Selection and Re-selection info	Not Present
Qoffset1_{s,n}	Reference to table 6.1.1
Qoffset2_{s,n}	Not Present
Maximum allowed UL TX power	FDD
HCS neighbouring cell information	Reference to table 6.1.1
CHOICE mode	Reference to table 6.1.1
Qqualmin	Not Present
Qrxlevmin	6
Cell for measurement	0 dB
Intra-frequency cell id	Not Present
Cell info	TRUE
Cell individual offset	FDD
Reference time difference to cell	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Read SFN indicator	Not Present
CHOICE mode	FALSE
Primary CPICH info	0 dB
Primary scrambling code	Not Present
Primary CPICH TX power	Reference to table 6.1.1
TX Diversity indicator	Not Present
Cell Selection and Re-selection info	FDD
Qoffset1_{s,n}	Reference to table 6.1.1
Qoffset2_{s,n}	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
Intra-frequency cell id	7
Cell info	0 dB
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.7 (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
Qoffset1_{s,n}	Not Present
Qoffset2_{s,n}	Not Present
Maximum allowed UL TX power	FDD
HCS neighbouring cell information	Reference to table 6.1.1
CHOICE mode	Reference to table 6.1.1
Qqualmin	Not Present
Qrxlevmin	8
Cell for measurement	0 dB
Intra-frequency cell id	Not Present
Cell info	TRUE
Cell individual offset	FDD
Reference time difference to cell	Refer to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1
Read SFN indicator	Not Present
CHOICE mode	FALSE
Primary CPICH info	0 dB
Primary scrambling code	
Primary CPICH TX power	
TX Diversity indicator	
Cell Selection and Re-selection info	
Qoffset1_{s,n}	

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
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
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

Intra-frequency event identity	4b
Triggering condition 1	Active set cells and monitored 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	4e
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	
CHOICE reported cell	Report cell within active set and/or monitored set 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 (similar to SIB type11) (TDD)

- 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	1
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- 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	1g
- Intra-frequency event identity	Not Present
- 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

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 (FDD)

- 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- Primary CPICH info	Refer to clause titled "Default settings for cell No.8 (FDD)"
- Primary scrambling code	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
- 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
- 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	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 and monitored 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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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 \(FDD\)](#)

- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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	No report
- Intra-frequency reporting quantity	FALSE
- Reporting quantities for active set cells	TRUE
- SFN-SFN observed time difference type	FDD
- Cell synchronisation information reporting indicator	FALSE
- Cell identity reporting indicator	TRUE
- CHOICE mode	FALSE
- CPICH Ec/N0 reporting indicator	TRUE
- CPICH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored set cells	No report
- SFN-SFN observed time difference type	TRUE
- 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	Acknowledged mode RLC
- Measurement Report Transfer Mode	Event trigger
- Periodic Reporting/Event Trigger Reporting Mode	Intra-frequency measurement reporting criteria
- CHOICE report criteria	Intra-frequency measurement reporting criteria
- Intra-frequency measurement reporting criteria	3 kinds
- Parameters required for each event	1a
- Intra-frequency event identity	Not Present
- Triggering condition 1	Active set cells and monitored set cells
- Triggering condition 2	5dB
- Reporting Range Constant	Not Present
- Cells forbidden to affect reporting range	1.0
- W	0.0
- Hysteresis	Not Present
- Threshold Used Frequency	2
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	640
- Time to trigger	4
- Amount of reporting	0
- Reporting interval	Report cell Within active set and/or monitored set cells on used frequency
- Reporting cell status	3
- CHOICE reported cell	
- Maximum number of reported cells	

- Intra-frequency event identity	1b
- Triggering condition 1	Active set cells and monitored 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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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

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 Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 150
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Contents of System Information Block type 11 (FDD)

- SIB12 indicator	<u>TRUE</u>
- FACH measurement occasion info	<u>Not Present</u>
- Measurement control system information	
- Use of HCS	<u>Not used</u>
- Cell selection and reselection quality - measure	<u>CPICH RSCP</u>
- Intra-frequency measurement system information	
- Intra-frequency measurement identity	<u>1</u>
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	<u>Remove no intra-frequency cells</u>
- New intra-frequency cells	
- Intra-frequency cell id	<u>2</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	<u>Not Present</u>
- Read SFN indicator	<u>TRUE</u>
- CHOICE mode	<u>FDD</u>
- Primary CPICH info	
- Primary scrambling code	<u>Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1</u>
- Primary CPICH TX power	<u>Not Present</u>
- TX Diversity indicator	<u>FALSE</u>
- Cell Selection and Re-selection info	<u>Not Present</u>
- Intra-frequency cell id	<u>1</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	<u>Not Present</u>
- Read SFN indicator	<u>TRUE</u>
- CHOICE mode	<u>FDD</u>
- Primary CPICH info	
- Primary scrambling code	<u>Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1</u>
- Primary CPICH TX power	<u>Not Present</u>
- TX Diversity indicator	<u>FALSE</u>
- Cell Selection and Re-selection info	
- Qoffset1s,n	<u>0 dB</u>
- Qoffset2s,n	<u>Not Present</u>
- Maximum allowed UL TX power	<u>Reference to table 6.1.1</u>
- HCS neighbouring cell information	<u>Not Present</u>
- CHOICE mode	<u>FDD</u>
- Qqualmin	<u>Reference to table 6.1.1</u>
- Qrxlevmin	<u>Reference to table 6.1.1</u>
- Intra-frequency cell id	<u>3</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	<u>Not Present</u>
- Read SFN indicator	<u>TRUE</u>
- CHOICE mode	<u>FDD</u>
- Primary CPICH info	
- Primary scrambling code	<u>Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1</u>
- Primary CPICH TX power	<u>Not Present</u>
- TX Diversity indicator	<u>FALSE</u>
- Cell Selection and Re-selection info	
- Qoffset1s,n	<u>0 dB</u>
- Qoffset2s,n	<u>Not Present</u>

- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- New intra-frequency cells	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.2 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 4
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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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0011B 0000 0000 0000 0010B
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Default settings for cell No.3 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 200
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.3 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 8
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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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0100B 0000 0000 0000 0010B
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Default settings for cell No.4 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 250
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled " Default settings for cell No.7 (FDD) " in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.4 (TDD):

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

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

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 300
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.5 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 114
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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.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0110B 0000 0000 0000 0011B
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Default settings for cell No.6 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 350
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[Contents of System Information Block type 11 \(FDD\)](#)

- 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	1
- 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_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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
- 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	
- Primary CPICH TX power	
- TX Diversity indicator	
- Cell Selection and Re-selection info	
- Qoffset1_{s,n}	
- Qoffset2_{s,n}	
- Maximum allowed UL TX power	
- HCS neighbouring cell information	
- CHOICE mode	
- Qqualmin	
- Qrxlevmin	
- Intra-frequency cell id	
- Cell info	
- Cell individual offset	0 dB
- Reference time difference to cell	Not Present
- Read SFN indicator	Reference to table 6.1.1
- CHOICE mode	Not Present
- Primary CPICH info	FDD
- Primary scrambling code	Reference to table 6.1.1
- Primary CPICH TX power	Reference to table 6.1.1
- TX Diversity indicator	Reference to table 6.1.1
- Cell Selection and Re-selection info	5
- Qoffset1_{s,n}	0 dB
- Qoffset2_{s,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
- Intra-frequency cell id	1
- Cell info	0 dB
- Cell individual offset	Not Present
- 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.5 (FDD) " in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	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
- Intra-frequency cell id	1
- Cell info	0 dB
- Cell individual offset	Not Present
- 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.1 (FDD) " in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	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
- Intra-frequency cell id	7
- Cell info	0 dB
- Cell individual offset	Not Present
- 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.7 (FDD) " in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.6 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 119
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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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0111B 0000 0000 0000 0100B
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Default settings for cell No.7 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 400
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[Contents of System Information Block type 11 \(FDD\)](#)

- 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	1
- 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_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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
- 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	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1_{s,n}	Reference to table 6.1.1
- Qoffset2_{s,n}	Not Present
- Maximum allowed UL TX power	FDD
- HCS neighbouring cell information	Reference to table 6.1.1
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- 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.5 (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
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	6
- 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.6 (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
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	1
- 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.1 (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
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	

- 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	
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
---	---

Default settings for cell No.7 (TDD):

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

Cell No.8

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.8 are identical to those of cell No.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 1000B 0000 0000 0000 0100B
-------------------------------	---

Default settings for cell No.8 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 450
--	---

[Contents of System Information Block type 11 \(FDD\)](#)

- 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	1
- 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_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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
- 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	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1_{s,n}	Reference to table 6.1.1
- Qoffset2_{s,n}	Not Present
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- 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.5 (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
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	6
- 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.6 (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
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	7
- 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.7 (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
- Qoffset1_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- 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
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
---	---

Default settings for cell No.8 (TDD):

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

<End of modified section>

<Start of next modified section>

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

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
- Measurement 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	
- 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

<End of modified section>

3GPP TSG-T1 Meeting #16
Yokohama, Japan, 29th July – 2nd August 2002

Tdoc № T1-020527

3GPP TSG-T1/SIG Meeting #24
Yokohama, Japan, 29-31 July 2002

Tdoc № T1S-020509

CR-Form-v6.1

CHANGE REQUEST

⌘ **TS 34.108 CR 131** ⌘ rev - ⌘ Current version: **4.3.0** ⌘
Spec Title: Common test environments for User Equipment (UE) Conformance testing ⌘

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 34.108 REL-4; Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL message

Source: ⌘ Ericsson

Work item code: ⌘ TEI

Date: ⌘ 2002-07-30

Category: ⌘ **A**

Use one of the following categories:

- F** (correction)
- A** (corresponds to a correction in an earlier release)
- B** (addition of feature),
- C** (functional modification of feature)
- D** (editorial modification)

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

Release: ⌘ REL-4

Use one of the following releases:

- 2 (GSM Phase 2)
- R96 (Release 1996)
- R97 (Release 1997)
- R98 (Release 1998)
- R99 (Release 1999)
- REL-4 (Release 4)
- REL-5 (Release 5)

Reason for change: ⌘ The default contents for SIBs 11 and 12, as well as for the MEASUREMENT CONTROL message contain some minor errors. For each cell in the test environment, SIB11 and SIB 12 need to be adjusted to take into account that the serving cell is not cell 1, but cell 2,3,4...

Summary of change: ⌘ Changes introduced in T1S-020509 are color coded as blue.

- Merge of changes to SIB11 from T1S-020349 (Panasonic).

Changes introduced from T1S-020396 into T1S-020476 are color coded as yellow.

- 6.1.0b: Default values for cell 1 for SIB 11 and SIB12 in 6.1.0b moved to 6.1.4 to have SIB11 and SIB12 defined in same place.
- 6.1.0b (now 6.1.4): In the default SIB11 and SIB12, the IE "Cells for measurement" should not be repeated after each cell, it is only included once at the end of the IE "Intra-frequency cell info list".
- 6.1.0b (now 6.1.4): In the default SIB11 and SIB12, the IE "Reporting range" is actually named "Reporting range constant".
- 6.1.4: for each cell in the test environment, the contents of SIB 11 and 12 need to be adjusted to take into account which cell is the serving cell: for that one, the IE Cell selection and reselection info shall not be

	<p>present.</p> <ul style="list-style-type: none"> - 9.1.1: In the default MEASUREMENT CONTROL message, the IE "Periodical/Event trigger reporting" is misnamed. So is the value it is assigned. - 9.1.1: In the default MEASUREMENT CONTROL message, the IE "intra-frequency cell info" is actually named "intra-frequency cell info list". - 9.1.1: In the default MEASUREMENT CONTROL message, the IE CHOICE "intra-frequency cell removal" is missing. It shall be stated that this shall not be present (which means that no cells shall be removed from the list). - 9.1.1: In the default MEASUREMENT CONTROL message, the IE "reporting quantities for monitored cell" is misnamed.
Consequences if not approved:	<p>⌘ Incorrect settings in SIB 11 and 12 for cells 2 to 8 in the test environment. Inaccuracy in the default message content descriptions of those system information blocks and of the MEASUREMENT CONTROL message.</p>

Clauses affected:	⌘ 6.1.0b, 6.1.4, 9.1.1												
Other specs affected:	<table border="0"> <tr> <td>⌘ <input type="checkbox"/></td> <td>Other core specifications</td> <td>⌘</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Test specifications</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>O&M Specifications</td> <td></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												
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/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.

6.1.0b Default System Information Block Messages

<Start of modified section>

Contents of System Information Block type 11 (FDD)

[See sub-clause 6.1.4 for contents of System Information Block type 11 \(FDD\) for cell 1 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	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
-Cell for measurement	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 _{s,n}	0 dB
-Qoffset2 _{s,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
-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 _{s,n}	0 dB
-Qoffset2 _{s,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
-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 _{s,n}	0 dB
Qoffset2 _{s,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
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 _{s,n}	0 dB
Qoffset2 _{s,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
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 _{s,n}	0 dB
Qoffset2 _{s,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
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	0 dB
Qoffset1 _{s,n}	Not Present
Qoffset2 _{s,n}	Reference to table 6.1.1
Maximum allowed UL TX power	Not Present
HCS neighbouring cell information	FDD
CHOICE mode	Reference to table 6.1.1
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Reference to table 6.1.1
Cell for measurement	Not Present
Intra-frequency cell id	8
Cell info	
Cell individual offset	0 dB
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 _{s,n}	0 dB
Qoffset2 _{s,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
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 identity reporting indicator	TRUE
Cell synchronisation information reporting indicator	FALSE
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 identity reporting indicator	TRUE
Cell synchronisation information 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	5 dB

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 and monitored 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	
CHOICE reported cell	Report cell within active set and/or monitored set 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 11 (3.84 Mcps and 1.28 Mcps 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells

- New intra-frequency cells	1
- Intra-frequency cell id	
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	TRUE
- CHOICE mode	TDD
- Primary CCPCH info	
- Cell parameters ID	Reference clause 6.1 Default settings for cell
- Primary CCPCH TX power	Not Present
- Timeslot list	Not Present
- CHOICE TDD option	
- 3.84 Mcps TDD	
- Timeslot number	Not Present
- Burst type	Not Present
- 1.28 Mcps TDD	
- Timeslot number	Not Present
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement quantity list	
- 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
- UE internal measurement system information	Not Present

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

[See sub-clause 6.1.4 for contents of System Information Block type 12 \(FDD\) for cell 1 to 8.](#)

- 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

Intra-frequency cell info list	Remove no intra-frequency cells
CHOICE intra-frequency cell removal	
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
Primary CPICH TX power	Not Present
TX Diversity indicator	FALSE
Cell Selection and Re-selection info	
Qoffset1_{s,n}	0 dB
Qoffset2_{s,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
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_{s,n}	0 dB
Qoffset2_{s,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
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_{s,n}	0 dB
Qoffset2_{s,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
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	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
Primary scrambling code	Not Present
Primary CPICH TX power	FALSE
TX Diversity indicator	0 dB
Cell Selection and Re-selection info	Not Present
Qoffset1_{s,n}	Reference to table 6.1.1
Qoffset2_{s,n}	Not Present
Maximum allowed UL TX power	FDD
HCS neighbouring cell information	Reference to table 6.1.1
CHOICE mode	Reference to table 6.1.1
Qqualmin	Not Present
Qrxlevmin	6
Cell for measurement	0 dB
Intra-frequency cell id	Not Present
Cell info	TRUE
Cell individual offset	FDD
Reference time difference to cell	Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1
Read SFN indicator	Not Present
CHOICE mode	FALSE
Primary CPICH info	0 dB
Primary scrambling code	Not Present
Primary CPICH TX power	Reference to table 6.1.1
TX Diversity indicator	Not Present
Cell Selection and Re-selection info	FDD
Qoffset1_{s,n}	Reference to table 6.1.1
Qoffset2_{s,n}	Reference to table 6.1.1
Maximum allowed UL TX power	Not Present
HCS neighbouring cell information	FDD
CHOICE mode	Reference to table 6.1.1
Qqualmin	Reference to table 6.1.1
Qrxlevmin	Not Present
Cell for measurement	7
Intra-frequency cell id	0 dB
Cell info	Not Present
Cell individual offset	TRUE
Reference time difference to cell	FDD
Read SFN indicator	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
CHOICE mode	Not Present
Primary CPICH info	FALSE
Primary scrambling code	0 dB
Primary CPICH TX power	Not Present
TX Diversity indicator	Reference to table 6.1.1
Cell Selection and Re-selection info	Not Present
Qoffset1_{s,n}	FDD
Qoffset2_{s,n}	Reference to table 6.1.1
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
Intra-frequency cell id	8
Cell info	0 dB
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	
Cell Selection and Re-selection info	
Qoffset1_{s,n}	

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
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
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

Intra-frequency event identity	4b
Triggering condition 1	Active set cells and monitored 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	4e
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	
CHOICE reported cell	Report cell within active set and/or monitored set 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 (similar to SIB type11) (3.84 Mcps and 1.28 Mcps TDD)

- 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	1
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- 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	
- 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	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>

<Start of next modified section>

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 (FDD)

- 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	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- Primary CPICH info	Refer to clause titled "Default settings for cell No.8 (FDD)"
- Primary scrambling code	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
- 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
- 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	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	1b
- Intra-frequency event identity	Active set cells and monitored set cells
- Triggering condition 1	Not Present
- Triggering condition 2	5dB
- Reporting Range Constant	Not Present
- Cells forbidden to affect Reporting range	1.0
- W	0.0
- Hysteresis	Not Present
- 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	Report cell within active set and/or monitored set cells on used frequency
- CHOICE reported cell	3
- Maximum number of reported cells	1c
- Intra-frequency event identity	Not Present
- 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	Not Present
- 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 \(FDD\)](#)

- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- New intra-frequency cells	
- Intra-frequency cell id	2
- 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.2 (FDD)"
- Primary scrambling code	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
- Intra-frequency cell id	3
- 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.3 (FDD)"
- Primary scrambling code	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
- 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.4 (FDD)"
- Primary scrambling code	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
- Intra-frequency cell id	5
- Cell info	0dB
- Cell individual offset	Not Present
- Reference time difference to cell	TRUE
- Read SFN indicator	FDD
- CHOICE mode	
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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	No report
- SFN-SFN observed time difference type	FALSE
- Cell synchronisation information reporting indicator	TRUE
- Cell identity reporting indicator	FDD
- CHOICE mode	FALSE
- CPICH Ec/N0 reporting indicator	TRUE
- CPICH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	
- Reporting quantities for monitored set cells	No report
- SFN-SFN observed time difference type	TRUE
- 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 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

- Intra-frequency event identity	1b
- Triggering condition 1	Active set cells and monitored 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	
- CHOICE reported cell	Report cell within active set and/or monitored set 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

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 Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 150
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
- Primary scrambling code	
- 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
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- New intra-frequency cells	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.2 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 4
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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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0011B 0000 0000 0000 0010B
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Default settings for cell No.3 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 200
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
---	---

Default settings for cell No.3 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 8
---	---

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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0100B 0000 0000 0000 0010B
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Default settings for cell No.4 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 250
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled " Default settings for cell No.7 (FDD) " in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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 - Cell for measurement	Reference to table 6.1.1 Not Present
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Default settings for cell No.4 (TDD):

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

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.1 with the following exceptions:

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

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 300
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Contents of System Information Block type 11 (FDD)

- 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	1
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	
- 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
- 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	Refer to clause titled " Default settings for cell No.7 (FDD) " in clause 6.1
- Primary scrambling code	
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1_{s,n}	0 dB
- Qoffset2_{s,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
- 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_{s,n}	0 dB
- Qoffset2_{s,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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- New intra-frequency cells	
- Intra-frequency cell id	2
- 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.2 (FDD)"
- Primary scrambling code	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
- Intra-frequency cell id	3
- 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.3 (FDD)"
- Primary scrambling code	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
- 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.4 (FDD)"
- Primary scrambling code	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
- Intra-frequency cell id	1
- Cell info	0dB
- Cell individual offset	Not Present
- Reference time difference to cell	TRUE
- Read SFN indicator	

- CHOICE mode	FDD
- 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	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1_{s,n}	Reference to table 6.1.1
- Qoffset2_{s,n}	Not Present
- Maximum allowed UL TX power	FDD
- HCS neighbouring cell information	Reference to table 6.1.1
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	
- 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	Refer to clause titled "Default settings for cell No.6 (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_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	
- 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	Refer to clause titled "Default settings for cell No.7 (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_{s,n}	Not Present
- Qoffset2_{s,n}	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	
- 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	Refer to clause titled "Default settings for cell No.8 (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_{s,n}	

- 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

Default settings for cell No.5 (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	114

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.1 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 0110B
URA identity	0000 0000 0000 0011B

Default settings for cell No.6 (FDD):

Downlink input level	Reference clause 6.10 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	350

[Contents of System Information Block type 11 \(FDD\)](#)

- SIB12 indicator	<u>TRUE</u>
- FACH measurement occasion info	<u>Not Present</u>
- Measurement control system information	
- Use of HCS	<u>Not used</u>
- Cell selection and reselection quality measure	<u>CPICH RSCP</u>
- Intra-frequency measurement system information	
- Intra-frequency measurement identity	<u>1</u>
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	<u>Remove no intra-frequency cells</u>
- New intra-frequency cells	
- Intra-frequency cell id	<u>6</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	<u>Not Present</u>
- Read SFN indicator	<u>TRUE</u>
- CHOICE mode	<u>FDD</u>
- Primary CPICH info	
- Primary scrambling code	<u>Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1</u>
- Primary CPICH TX power	<u>Not Present</u>
- TX Diversity indicator	<u>FALSE</u>
- Cell Selection and Re-selection info	<u>Not Present</u>
- Intra-frequency cell id	<u>2</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	<u>Not Present</u>
- Read SFN indicator	<u>TRUE</u>
- CHOICE mode	<u>FDD</u>
- Primary CPICH info	
- Primary scrambling code	<u>Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1</u>
- Primary CPICH TX power	<u>Not Present</u>
- TX Diversity indicator	<u>FALSE</u>
- Cell Selection and Re-selection info	
- Qoffset1s,n	<u>0 dB</u>
- Qoffset2s,n	<u>Not Present</u>
- Maximum allowed UL TX power	<u>Reference to table 6.1.1</u>
- HCS neighbouring cell information	<u>Not Present</u>
- CHOICE mode	<u>FDD</u>
- Qqualmin	<u>Reference to table 6.1.1</u>
- Qrxlevmin	<u>Reference to table 6.1.1</u>
- Cell for measurement	<u>Not Present</u>
- Intra-frequency cell id	<u>3</u>
- Cell info	
- Cell individual offset	<u>0dB</u>
- Reference time difference to cell	<u>Not Present</u>
- Read SFN indicator	<u>TRUE</u>
- CHOICE mode	<u>FDD</u>
- Primary CPICH info	
- Primary scrambling code	<u>Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1</u>
- Primary CPICH TX power	<u>Not Present</u>
- TX Diversity indicator	<u>FALSE</u>
- Cell Selection and Re-selection info	
- Qoffset1s,n	<u>0 dB</u>
- Qoffset2s,n	<u>Not Present</u>
- Maximum allowed UL TX power	<u>Reference to table 6.1.1</u>
- HCS neighbouring cell information	<u>Not Present</u>
- CHOICE mode	<u>FDD</u>
- Qqualmin	<u>Reference to table 6.1.1</u>
- Qrxlevmin	<u>Reference to table 6.1.1</u>
- Intra-frequency cell id	<u>4</u>
- Cell info	
- Cell individual offset	<u>0dB</u>

- 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	
- 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
- 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	
- 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
- 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
- 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
- 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	0 dB
- Qoffset1s,n	Not Present
- Qoffset2s,n	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- 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	Not Present
- Qoffset2s,n	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- 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	
- 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
- 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	
- 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
- 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	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1_{s,n}	Reference to table 6.1.1
- Qoffset2_{s,n}	Not Present
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	
- 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	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_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	Refer to clause titled "Default settings for cell No.7 (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_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	Refer to clause titled "Default settings for cell No.8 (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_{s,n}	

- 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

Default settings for cell No.6 (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	119

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:

Cell identity	0000 0000 0000 0000 0000 0000 0111B
URA identity	0000 0000 0000 0100B

Default settings for cell No.7 (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	400

[Contents of System Information Block type 11 \(FDD\)](#)

- 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	1
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE

- Cell Selection and Re-selection info	0 dB
- Qoffset1s,n	Not Present
- Qoffset2s,n	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- 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	Not Present
- Qoffset2s,n	Reference to table 6.1.1
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- Intra-frequency cell id	
- Cell info	3
- 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	
- 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
- Intra-frequency cell id	
- Cell info	4
- 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	
- 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
- Intra-frequency cell id	
- Cell info	5
- 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.5 (FDD)" in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1_{s,n}	Reference to table 6.1.1
- Qoffset2_{s,n}	Not Present
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	
- 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	Refer to clause titled "Default settings for cell No.6 (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_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	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_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	Refer to clause titled "Default settings for cell No.8 (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_{s,n}	

- 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

Default settings for cell No.7 (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	123

Cell No.8

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.8 are identical to those of cell No.1 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 1000B
URA identity	0000 0000 0000 0100B

Default settings for cell No.8 (FDD):

Downlink input level	Reference clause 6.10 Parameter Set
Uplink output power	Minimum supported by the UE's power class.
PCCPCH/PCPICH carrier number	Reference clause 6.10 Parameter Set
Cell Channel Description	
- Primary CPICH info	
- Primary scrambling code	450

[Contents of System Information Block type 11 \(FDD\)](#)

- 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	1
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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	
- 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
- 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
- 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	1

- Intra-frequency cell info list	Remove no intra-frequency cells
- CHOICE intra-frequency cell removal	
- 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
- 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
- Intra-frequency cell id	
- Cell info	3
- 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	
- 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
- Intra-frequency cell id	
- Cell info	4
- 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	
- 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
- Intra-frequency cell id	
- Cell info	5
- 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.5 (FDD)" in clause 6.1
- Primary scrambling code	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	0 dB
- Cell Selection and Re-selection info	Not Present
- Qoffset1_{s,n}	Reference to table 6.1.1
- Qoffset2_{s,n}	Not Present
- Maximum allowed UL TX power	Not Present
- HCS neighbouring cell information	FDD
- CHOICE mode	Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	
- 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	Refer to clause titled "Default settings for cell No.6 (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_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	Refer to clause titled "Default settings for cell No.7 (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_{s,n}	Not Present
- Qoffset2_{s,n}	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
- 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	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_{s,n}	

- 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

Default settings for cell No.8 (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	127

<End of modified section>

<Start of next modified section>

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

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
- Measurement 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	
- 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

<End of modified section>

3GPP TSG- T1 Meeting #16
Yokohama, Japan, 2nd Aug 2002

T1-020529

3GPP TSG- T1 SIG Meeting #24
Yokohama, Japan, 29th – 1st Aug 2002

T1S-020528

CR-Form-v6.1	
CHANGE REQUEST	
⌘	TS 34.108 CR 132
⌘ rev	-
⌘ Current version:	3.8.0
⌘ Spec Title:	Common Test Environments for User Equipment (UE)

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:	⌘ Corrections to clause 6.1 (T1S-020348rev1)		
Source:	⌘ Panasonic		
Work item code:	⌘ -	Date:	⌘ 01/7/2002
Category:	⌘ F	Release:	⌘ 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 TR 21.900 .		REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘ 1. To align with ASN.1 definition for SIB some parameters. 2. To align with TS25.331V3.b.0 <ul style="list-style-type: none"> ● "SIB type" in MIB is revised to "SIB and SB type" ● IE "Access Class Barred List" is not needed in SIB4. Changes to T1S-020348 : Corrections to SIB 11 and 12 are removed.
Summary of change:	⌘ New corrections <ol style="list-style-type: none"> 1. In SIB 11 and 12 (FDD) Intra-frequency cell id should be numbered from 0 as the current numbering is set from 1. Therefore these numbering are modified. 2. In SIB 11 and 12 (FDD) Intra-frequency IE "Cell for measurement" is removed from IE "New inter-frequency cells". 3. In table 6.1.1, 6.1.2, 6.1.3 and 6.1.4 Qrxlevmin is set to -80 dBm. But according to TS25.331, this should be set as Integer (-115..-25 by step of 2) . Therefore -81 dBm instead of -80 dBm is set. 4. In clause 6.1.0a.3 SIB type is revised to "SIB and SB type" in accordance with TS25.331V3.b.0. 5. In System Information Block Type 4(FDD and TDD) of clause 6.1.0b, IE "Access Class Barred List" is set to "Not present" in SIB4.

Consequences if not approved:	⌘	Ambiguity is remained in test condition.									
Clauses affected:	⌘	Clause6.1									
Other specs affected:	⌘	<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&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										
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/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.

6 Reference System Configurations

This clause defines a number of Reference System Configurations which can be used for different tests.

6.1 Simulated network environments

The UE will eventually have to operate in either single mode networks (FDD or TDD) and dual mode networks (FDD+TDD).

It is <ffs> whether a reference environment needs to be defined for multi-mode networks (eg: the environment could be created by combining two appropriate reference environments from the single mode cases).

The following tables list the default parameters for 1 to 8 cell environments for testing.

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.

6.1.0a Default Master Information Block and Scheduling Block messages

6.1.0a.1 Grouping SIBs for testing

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

6.1.0a.2 SIB configurations

Currently three SIB configurations are used, Configuration 1 is default for both UTRAN/FDD SYSTEM and UTRAN/FDD + GERAN SYSTEM. Configuration 2 is for test cases which need two S_CCPCCH or two PRACH. Configuration 3 is for inter-RAT handover test cases.

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

6.1.0a.3 SIB default schedule

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB6	SIB7	SIB11	SIB12	SIB18
SIB_REP	8	16	64	64	64	64	64	64	16	64	64	64
SEG_COUNT	1	1	1	1	1	1	4	4	1	3	3	1

Frame No / SIB_POS	0	2	4	6	8	10	12	14
Block Type	MIB	SB1	SIB7	SIB6	MIB	SIB6	SIB6	SIB6

Frame No / SIB_POS	16	18	20	22	24	26	28	30
Block Type	MIB	SB1	SIB7/SIB 3	SIB1/SIB 2	MIB	SIB12	SIB12	SIB12

Frame No / SIB_POS	32	34	36	38	40	42	44	46
Block Type	MIB	SB1	SIB7/SIB 18	SIB5	MIB	SIB5	SIB5	SIB5

Frame No / SIB_POS	48	50	52	54	56	58	60	62
Block Type	MIB	SB1	SIB7/SIB 4		MIB	SIB11	SIB11	SIB11

Contents of Master Information Block PLMN type is the case of GSM-MAP

- MIB value tag	1
- Supported PLMN types	GSM-MAP
- PLMN type	
- PLMN identity	Set to the same Mobile Country Codes stored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).
- MCC digit	Set to the same Mobile Network Codes stored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).
- MNC digit	Not Present
- ANSI-41 Core Network information	
- References to other system information blocks and scheduling blocks	
- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value Tag
- Cell Value tag	1
- Scheduling	
- SEG_COUNT	1
- SIB_REP	16
- SIB_POS	2
- SIB_POS offset info	Not Present – use default
- SIB and SB type SIB type	Scheduling Block 1
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB and SB type SIB type	System Information Type 1
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB and SB type SIB type	System Information Type 2
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	20
- SIB_POS offset info	Not Present – use default
- SIB and SB type SIB type	System Information Type 3
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	52
- SIB_POS offset info	Not Present – use default
- SIB and SB type SIB type	System Information Type 4
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	64
- SIB_POS	38
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	2
- SIB_OFF	2
- SIB and SB type SIB type	System Information Type 5

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	64
- SIB_POS	6
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	
- CHOICE Value tag	Not Present
- SEG_COUNT	1
- SIB_REP	16
- SIB_POS	4
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	36
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

Contents of Scheduling Block 1 (TDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	128
- SIB_POS	3
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	
- CHOICE Value tag	Not Present

- SEG_COUNT	1
- SIB_REP	16
- SIB_POS	2
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	29
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	13
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	54
- SIB_POS offset info	Not Present - use default
- SIB type SIBs only	System Information Type 14
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	6
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

6.1.0a.4 SIB special schedules

6.1.0a.4.1 SIB schedule for two S-CCPCH or two PRACH

FFS

6.1.0a.4.2 SIB schedule for Inter-Rat Handover Test

FFS

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
- Cell selection_and_reselection_quality_measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not Present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	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
- Cell selection_and_reselection_quality_measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,SsearchRAT	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 _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

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

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell_selection_and_reselection_quality_measure	CPICH RSCP
- CHOICE mode	FDD
- S _{intrasearch}	16 dB
- S _{intersearch}	16 dB
- S _{searchHCS}	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- S _{search,RAT}	-32 dB
- S _{HCS,RAT}	Not Present
- S _{limit,SearchRAT}	0
- Q _{qualmin}	Reference to table 6.1.1
- Q _{rxlevmin}	Reference to table 6.1.1
- Q _{hyst1s}	2 dB
- Q _{hyst2s}	Not Present
- T _{reselections}	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 _{barred}	Not present
- Access Class Barred	Not barred
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present
- 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 (similar to SIB type3) (TDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell_selection_and_reselection_quality_measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- S _{limit,Ssearch} 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 _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present
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 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	11
- Gain factor β_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	
- 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)
- Primary CPICH DL 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	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
- Power offset information	Not Present
- CTFC information	5

- Power offset information	Not Present
- CTFC information	6
- Power offset information	Not Present
- CTFC information	8
- Power offset information	Not Present
- FACH/PCH information	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- 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#0)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#1)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#2)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#3)
- ASC Settings	TDD
- CHOICE mode	Not Present (Default all)
- Available Channelisation codes indices	Size1
- CHOICE subchannel size	null
- Available Subchannels	(ASC#4)
- ASC Settings	

- 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 nd 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	
- CTFC information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Power offset information	Reference clause 6.10 Parameter Set
- FACH/PCH information	Not Present
- 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	Reference clause 6.10 Parameter Set
- 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	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	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	Reference clause 6.10 Parameter Set
- 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	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	Reference clause 6.10 Parameter Set
- 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	TDD
- CHOICE mode	0
- Timeslot number	Type 1
- Midamble shift and burst type	0
- CHOICE Burst Type	16/16
- Midamble Shift	64/2
- Channelisation code	0
- Repetition period/length	4
- Offset	4
- Paging indicator length	2
- N _{GAP}	4
- N _{PCH}	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	

- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition 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
- Gain factor β_c	11
- Gain factor β_d	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- 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
- 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	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	Not Present
- Primary CPICH DL 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 info	
- Secondary CCPCH info	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition 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	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240 (PCCH)
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- 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 6 in connected mode (similar to SIB type 5) (TDD)

- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- 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	TDD
- CHOICE mode	14
- Timeslot number	
- 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	Not Present
- CHOICE <i>mode</i>	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE <i>mode</i>	TDD
- Offset	0
- Common timeslot info	
- 2 nd interleaving mode	Not Present (MD "Frame")
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- 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 3	4
- 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.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause 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)
- 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
- 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 _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

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

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

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

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

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

- CN Domain system information list	
- CN Domain system information	<i>For Packet-Switched domain</i>
- CN domain identity	PS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- CN Domain system information	<i>For Circuit-Switched domain</i>
- CN domain identity	CS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- UE timers and constants in idle mode	
- T300	400 milliseconds
- N300	7
- T312	10 seconds
- N312	200
- Capability update requirement	
- UE radio access FDD capability update requirement	TRUE
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

Contents of System Information Block type 14 (TDD)

- Individual Timeslot interference list	
- Individual Timeslot interference	
- Timeslot number	2
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	3
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	4
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	5
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	6
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	7
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	9
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	10
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	11
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	12
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	13
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	

- Timeslot number	14
- UL Timeslot Interference	-90 dbm
- Expiration Time Factor	Not Present (MD "1")

Contents of System Information Block type 16

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

Contents of System Information Block type17 (TDD)

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

Contents of System Information Block type 18

- Idle mode PLMN identities	Set to the same value as indicated in MIB
- PLMNs of intra-frequency cells list	
- PLMN identity	
- PLMNs of inter-frequency cells list	
- PLMNs of inter-RAT cells list	
- Connected mode PLMN identities	Not present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 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	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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
- 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	Not present
- Primary CPICH DL 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	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD

- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128

- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- 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	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE

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

6.1.4 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

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

Default settings for cell No.2 (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	4

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:

Cell identity	0000 0000 0000 0000 0000 0000 0011B
URA identity	0000 0000 0000 0010B

Default settings for cell No.3 (FDD):

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

Default settings for cell No.3 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 8
---	---

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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0100B 0000 0000 0000 0010B
-------------------------------	---

Default settings for cell No.4 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 250
--	---

Default settings for cell No.4 (TDD):

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

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.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0101B 0000 0000 0000 0011B
-------------------------------	---

Default settings for cell No.5 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 300
--	---

Default settings for cell No.5 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 114
---	---

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.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0110B 0000 0000 0000 0011B
-------------------------------	---

Default settings for cell No.6 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 350
--	---

Default settings for cell No.6 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 119
---	---

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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0111B 0000 0000 0000 0100B
-------------------------------	---

Default settings for cell No.7 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 400
--	---

Default settings for cell No.7 (TDD):

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

Cell No.8

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.8 are identical to those of cell No.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 1000B 0000 0000 0000 0100B
-------------------------------	---

Default settings for cell No.8 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 450
--	---

Default settings for cell No.8 (TDD):

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

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	-80 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 type		Serving cell	Suitable neighbour cell
UTRA RF Channel Number		Channel 1	Channel 1
Qqualmin	dB	-24	-24
Qrxlevmin	dBm	-89 81	-89 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	-89 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	-89 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".			

6.1.6 Reference Radio Conditions for signalling test cases only (TDD)

<FFS>

3GPP TSG- T1 Meeting #16
 Yokohama, Japan, 2nd Aug 2002

T1-020530

3GPP TSG- T1 SIG Meeting #24
 Yokohama, Japan, 29th – 1st Aug 2002

T1S-020529

CR-Form-v6.1	
CHANGE REQUEST	
⌘	TS 34.108 CR 133
⌘ rev	-
⌘ Current version:	4.3.0
⌘ Spec Title:	Common Test Environments for User Equipment (UE)

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:	⌘ Corrections to clause 6.1 (T1S-020349rev1)		
Source:	⌘ Panasonic		
Work item code:	⌘ TEI	Date:	⌘ 01/7/2002
Category:	⌘ A	Release:	⌘ REL-4
	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 TR 21.900 .		REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change: ⌘	1. To align with ASN.1 definition for SIB some parameters. 2. To align with TS25.331V3.b.0 <ul style="list-style-type: none"> ● "SIB type" in MIB is revised to "SIB and SB type" ● IE "Access Class Barred List" is not needed in SIB4 Changes to T1S-020349 : SIB 11 and 12 are removed.
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Summary of change: ⌘	New corrections <ol style="list-style-type: none"> 1. In SIB 11 and 12 (FDD) Intra-frequency cell id should be numbered from 0 as the current numbering is set from 1. Therefore these numbering are modified. 2. In SIB 11 and 12 (FDD) Intra-frequency IE "Cell for measurement" is removed from IE "New inter-frequency cells". 3. In table 6.1.1, 6.1.2, 6.1.3 and 6.1.4 Qrxlevmin is set to -80 dBm. But according to TS25.331, this should be set as Integer (-115..-25 by step of 2) . Therefore -81 dBm instead of -80 dBm is set. 4. In clause 6.1.0a.3 SIB type is revised to "SIB and SB type" in accordance with TS25.331V3.b.0. 5. In System Information Block Type 4(FDD and TDD) of clause 6.1.0b, IE "Access Class Barred List" is set to "Not present" in SIB4.
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Consequences if not approved:	⌘	Ambiguity is remained in test condition.
Clauses affected:	⌘	Clause6.1
Other specs affected:	⌘	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input 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/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.

6 Reference System Configurations

This clause defines a number of Reference System Configurations which can be used for different tests.

6.1 Simulated network environments

The UE will eventually have to operate in either single mode networks (FDD or TDD) and dual mode networks (FDD+TDD).

It is <ffs> whether a reference environment needs to be defined for multi-mode networks (eg: the environment could be created by combining two appropriate reference environments from the single mode cases).

The following tables list the default parameters for 1 to 8 cell environments for testing.

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.

6.1.0a Default Master Information Block and Scheduling Block messages

6.1.0a.1 Grouping SIBs for testing

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

6.1.0a.2 SIB configurations

Currently three SIB configurations are used, Configuration 1 is default for both UTRAN/FDD SYSTEM and UTRAN/FDD + GERAN SYSTEM. Configuration 2 is for test cases which need two S_CCPCCH or two PRACH. Configuration 3 is for inter-RAT handover test cases.

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

6.1.0a.3 SIB default schedule

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB6	SIB7	SIB11	SIB12	SIB18
SIB_REP	8	16	64	64	64	64	64	64	16	64	64	64
SEG_COUNT	1	1	1	1	1	1	4	4	1	3	3	1

Frame No / SIB_POS	0	2	4	6	8	10	12	14
Block Type	MIB	SB1	SIB7	SIB6	MIB	SIB6	SIB6	SIB6
Frame No / SIB_POS	16	18	20	22	24	26	28	30
Block Type	MIB	SB1	SIB7/SIB 3	SIB1/SIB 2	MIB	SIB12	SIB12	SIB12
Frame No / SIB_POS	32	34	36	38	40	42	44	46
Block Type	MIB	SB1	SIB7/SIB 18	SIB5	MIB	SIB5	SIB5	SIB5
Frame No / SIB_POS	48	50	52	54	56	58	60	62
Block Type	MIB	SB1	SIB7/SIB 4		MIB	SIB11	SIB11	SIB11

Contents of Master Information Block PLMN type is the case of GSM-MAP

<ul style="list-style-type: none"> - MIB value tag - Supported PLMN types - PLMN type - PLMN identity - MCC digit - MNC digit - ANSI-41 Core Network information - References to other system information blocks and scheduling blocks - References to other system information blocks - Scheduling information - CHOICE Value tag - Cell Value tag - Scheduling - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB and SB type SIB type - Scheduling information - CHOICE Value tag - PLMN Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB and SB type SIB type - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB and SB type SIB type - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info 	<p>1</p> <p>GSM-MAP</p> <p>Set to the same Mobile Country Codes stored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).</p> <p>Set to the same Mobile Network Codes stored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).</p> <p>Not Present</p> <p>Cell Value Tag</p> <p>1</p> <p>1</p> <p>16</p> <p>2</p> <p>Not Present – use default</p> <p>Scheduling Block 1</p> <p>PLMN Value tag</p> <p>1</p> <p>1</p> <p>64</p> <p>22</p> <p>Not Present – use default</p> <p>System Information Type 1</p> <p>Cell Value tag</p> <p>1</p> <p>1</p> <p>64</p> <p>22</p> <p>Not Present – use default</p> <p>System Information Type 2</p> <p>Cell Value tag</p> <p>1</p> <p>1</p> <p>64</p> <p>20</p> <p>Not Present – use default</p>
--	---

- SIB and SB type SIB type	System Information Type 3
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	1
- SEG_COUNT	64
- SIB_REP	52
- SIB_POS	Not Present – use default
- SIB_POS offset info	System Information Type 4
- SIB and SB type SIB type	Cell Value tag
- Scheduling information	1
- CHOICE Value tag	4
- Cell Value tag	64
- SEG_COUNT	38
- SIB_REP	
- SIB_POS	
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	2
- SIB_OFF	2
- SIB and SB type SIB type	System Information Type 5

Contents of Scheduling Block 1 (FDD and 1.28 Mcps TDD)

- References to other system information blocks	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	4
- SEG_COUNT	64
- SIB_REP	6
- SIB_POS	
- SIB_POS offset info	4
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	Not Present
- CHOICE Value tag	1
- SEG_COUNT	16
- SIB_REP	4
- SIB_POS	Not Present
- SIB_POS offset info	System Information Type 7
- SIB type SIBs only	Cell Value tag
- Scheduling information	1
- CHOICE Value tag	3
- Cell Value tag	64
- SEG_COUNT	58
- SIB_REP	
- 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	3
- SEG_COUNT	64
- SIB_REP	26
- SIB_POS	
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	PLMN Value tag
- CHOICE Value tag	1
- PLMN Value tag	1
- SEG_COUNT	64
- SIB_REP	

- SIB_POS	36
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

Contents of Scheduling Block 1 (3.84 Mcps TDD)

- References to other system information blocks	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	4
- SEG_COUNT	128
- SIB_REP	3
- SIB_POS	4
- SIB_POS offset info	2
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	Not Present
- CHOICE Value tag	1
- SEG_COUNT	16
- SIB_REP	2
- SIB_POS	Not Present
- SIB_POS offset info	System Information Type 7
- SIB type SIBs only	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	3
- SEG_COUNT	64
- SIB_REP	29
- SIB_POS	
- SIB_POS offset info	2
- SIB_OFF	2
- SIB_OFF	System Information Type 11
- SIB type SIBs only	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	3
- SEG_COUNT	64
- SIB_REP	13
- SIB_POS	
- SIB_POS offset info	2
- SIB_OFF	2
- SIB_OFF	System Information Type 12
- SIB type SIBs only	
- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	1
- SEG_COUNT	64
- SIB_REP	54
- SIB_POS	Not Present - use default
- SIB_POS offset info	System Information Type 14
- SIB type SIBs only	
- Scheduling information	PLMN Value tag
- CHOICE Value tag	1
- PLMN Value tag	1
- SEG_COUNT	64
- SIB_REP	6
- SIB_POS	Not Present
- SIB_POS offset info	System Information Type 18
- SIB type SIBs only	

6.1.0a.4 SIB special schedules

6.1.0a.4.1 SIB schedule for two S-CCPCH or two PRACH

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6.1.0a.4.2 SIB schedule for Inter-Rat Handover Test

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

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

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection_and_reselection_quality_measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,SsearchRAT	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 _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

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

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell_selection_and_reselection_quality_measure	CPICH RSCP
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- S _{limit,SearchRAT}	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- T _{reselections}	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 _{barred}	Not present
- Access Class Barred	Not barred
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present
- 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 (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	Not Present
- Mapping info	(no data)
- Cell_selection_and_reselection_quality_measure	
- 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,SsearchRAT	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 _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present
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 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	11
- Gain factor β_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	
- 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)
- Primary CPICH DL 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	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete 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	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB

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

- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE <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 nd 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
- Midamble Allocation Mode	Default midamble
- Midamble configuration burst type 1 and	4
3 - Midamble Shift	
- CHOICE <i>TDD option</i>	Not Present
- no data	3.84 Mcps TDD
- Code List	
- Channelisation Code	(This IE is repeated for Code number for PCH and

- TFCS	FACH) (This IE is repeated for TFC number for PCH and FACH.)
-CHOICE <i>TFCI signalling</i>	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	
- TFCS complete information	
- CHOICE CTFC Size	
- CTFC information	
- Power offset information	
- FACH/PCH information	Complete reconfiguration
- TFS	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
- CHOICE Transport channel type	(PCH) 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) Common transport channels
- CHOICE Transport channel type	
- 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) Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- CHOICE <i>TDD option</i>	3.84 Mcps TDD

- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N_{GAP}	4
- N_{PCH}	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	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 nd 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 <i>TFCS 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 _{GAP}	4
- N _{PCH}	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	
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition 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
- 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	FDD
- 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	FDD
- 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	FDD
- 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	Not Present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	3dB
- Power Ramp Step	4
- Preamble Retrans Max	4
- RACH transmission parameters	2
- Mmax	3 slot
- NB01min	10 slot
- NB01max	4
- AICH info	3
- Channelisation code	FALSE
- STTD indicator	0
- AICH transmission timing	0
- Secondary CCPCH system info	Not Present
- Secondary CCPCH info	FALSE
- Secondary scrambling code	64
- STTD indicator	1
- Spreading factor	FALSE
- Code number	TRUE
- Pilot symbol existence	Flexible
- TFCI existence	0
- Fixed or Flexible position	(This IE is repeated for TFC number for PCH and FACH.)
- Timing offset	0
- TFCS	Complete reconfiguration
- Normal	4 bit
- TFCI Field 1 information	0
- CHOICE TFCS representation	Not Present
- TFCS addition information	1
- CHOICE CTFC Size	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- 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	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240 (PCCH)
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- 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 6 in connected mode (similar to SIB type 5) (3.84 Mcps TDD)

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

- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	Not Present
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 nd interleaving mode	Not Present (MD "Frame")
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Timeslot number	1
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- 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.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	
- CTFC information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Power offset information	Reference clause 6.10 Parameter Set
- FACH/PCH information	Not Present
- 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	Reference clause 6.10 Parameter Set
- 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	Reference clause 6.10 Parameter Set
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	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	Reference clause 6.10 Parameter Set
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	Reference clause 6.10 Parameter Set
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CTCH indicator	FALSE
- PICH info	TDD
- CHOICE <i>mode</i>	3.84 Mcps TDD
- CHOICE TDD option	0
- Timeslot number	0
- Midamble shift and burst type	Type 1
- CHOICE Burst Type	0
- Midamble Shift	16/16
- Channelisation code	64/2
- Repetition period/length	0
- Offset	4
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

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

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

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

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

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

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

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

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

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

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

- CN Domain system information list	
- CN Domain system information	<i>For Packet-Switched domain</i>
- CN domain identity	PS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- CN Domain system information	<i>For Circuit-Switched domain</i>
- CN domain identity	CS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- UE timers and constants in idle mode	
- T300	400 milliseconds
- N300	7
- T312	10 seconds
- N312	200
- Capability update requirement	
- UE radio access FDD capability update requirement	TRUE
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

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

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

Contents of System Information Block type 16

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

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

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

Contents of System Information Block type 18

- Idle mode PLMN identities	
- PLMNs of intra-frequency cells list	
- PLMN identity	Set to the same value as indicated in MIB
- PLMNs of inter-frequency cells list	Not present
- PLMNs of inter-RAT cells list	Not present
- Connected mode PLMN identities	Not present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 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	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

- PICH info	2
- Channelisation code	18
- Number of PI per frame	FALSE
- STTD indicator	(SCCPCH including two FACHs)
- Secondary CCPCH info	Not Present
- Secondary scrambling code	FALSE
- STTD indicator	64
- Spreading factor	1
- Code number	FALSE
- Pilot symbol existence	TRUE
- TFCI existence	Flexible
- Fixed or Flexible position	0
- Timing offset	
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3

- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2

- SIB_REP	128
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- 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	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE

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

6.1.4 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

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

Default settings for cell No.2 (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	4

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:

Cell identity	0000 0000 0000 0000 0000 0000 0011B
URA identity	0000 0000 0000 0010B

Default settings for cell No.3 (FDD):

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

Default settings for cell No.3 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 8
---	---

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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0100B 0000 0000 0000 0010B
-------------------------------	---

Default settings for cell No.4 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 250
--	---

Default settings for cell No.4 (TDD):

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

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.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0101B 0000 0000 0000 0011B
-------------------------------	---

Default settings for cell No.5 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 300
--	---

Default settings for cell No.5 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 114
---	---

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.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0110B 0000 0000 0000 0011B
-------------------------------	---

Default settings for cell No.6 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 350
--	---

Default settings for cell No.6 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 119
---	---

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:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 0111B 0000 0000 0000 0100B
-------------------------------	---

Default settings for cell No.7 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 400
--	---

Default settings for cell No.7 (TDD):

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

Cell No.8

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.8 are identical to those of cell No.1 with the following exceptions:

Cell identity URA identity	0000 0000 0000 0000 0000 0000 1000B 0000 0000 0000 0100B
-------------------------------	---

Default settings for cell No.8 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 450
--	---

Default settings for cell No.8 (TDD):

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

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	-80 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 type		Serving cell	Suitable neighbour cell
UTRA RF Channel Number		Channel 1	Channel 1
Qqualmin	dB	-24	-24
Qrxlevmin	dBm	-80 81	-80 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	-80 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	-80 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".			

6.1.6 Reference Radio Conditions for signalling test cases only (TDD)

<FFS>

3GPP TSG- T1 Meeting #16
Yokohama, Japan, July 29th- August 2nd, 2002

T1-020538

3GPP TSG- T1 SIG Meeting #23
Yokohama, Japan, July 29th-31st, 2002

T1S-020522

CR-Form-v6.1

CHANGE REQUEST

⌘ **TS 34.108 CR 134** ⌘ rev **-** ⌘ Current version: **3.8.0** ⌘
Spec Title: Common Test Environments for User Equipment (UE)
 Conformance Testing ⌘

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:	⌘ Introduction of reference configurations on S-CCPCH and PRACH with two interactive PS domain RABs
Source:	⌘ Ericsson
Work item code:	⌘ - Date: ⌘ 2002-07-31
Category:	⌘ F Release: ⌘ R99
<p>Use <u>one</u> of the following categories:</p> <p>F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>	
<p>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p>	

Reason for change:	⌘ 1. The test coverage level is insufficient due to the lack of multiple RAB configurations on common channel
Summary of change:	⌘ Reference configuration 6.10.2.4.3.2a (new) <ul style="list-style-type: none"> A new configuration with two interactive/ background 32 kbps PS RABs is added to the configurations on S-CCPCH <p>In the LS from RAN2 in T1-020439 the clause number for the new configuration was proposed to be 6.10.2.4.3.5. However, to be consistent with how other reference radio bearer configurations have been added; and as the configuration is based on the configuration in 6.10.2.4.3.2; then the clause number for the new radio bearer configuration is proposed to be 6.10.2.4.3.2a.</p> <p>The TFCS has been aligned with changes introduced in CR in T1-020502/T1S-020399 to TFCS for reference configuration in clause 6.10.2.4.3.2.1.3.</p> <p>Reference configuration 6.10.2.4.4.2 (new)</p> <ul style="list-style-type: none"> A new configuration with two interactive/ background 32 kbps PS RABs is added to the configurations on PRACH
Consequences if	⌘ The test cases provide insufficient guarantee that UE will correctly support

not approved:	multiple RAB configurations on common channel
----------------------	---

Clauses affected:	⌘	6.10.2.4.3.2a (new), 6.10.2.4.4.2 (new)		
Other specs affected:	⌘	<input type="checkbox"/> Other core specifications	⌘	
		<input type="checkbox"/> Test specifications		
		<input type="checkbox"/> O&M Specifications		
Other comments:	⌘	Affects R'99 and R'4 UE test cases		

How to create CRs using this form:

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

6.10.2.4.3 Combinations on SCCPCH

6.10.2.4.3.1 Stand-alone signalling RB for PCCH

6.10.2.4.3.1.1 Transport channel parameters

6.10.2.4.3.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB	SRB	
	User of Radio Bearer	RRC	
RLC	Logical channel type	PCCH	
	RLC mode	TM	
	Payload sizes, bit	240 (alt. 80)	
	Max data rate, bps	24000 (alt. 8000)	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	PCH	
	TB sizes, bit	240 (alt. 80)	
	TFS	TF0, bts	0x240 (alt. 0x80)
		TF1, bits	1x240 (alt. 1x80)
	TTI, ms	10	
	Coding type	CC 1/2	
	CRC, bit	16	
	Max number of bits/TTI before rate matching	528 (alt. 208)	
	RM attribute	210-250	

6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

6.10.2.4.3.1.2 Physical channel parameters

SCCPCH	TFCS size	2
	DTX position	N/A (SingleTrCH)
	Spreading factor	128(alt. 256)
	Number of TFCI bits/slot	0
	Number of Pilot bits/slot	0
	Number of data bits/slot	40(alt. 20)
	Number of data bits/frame	600(alt. 300)

6.10.2.4.3.2 Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.2.1 Transport channel parameters

6.10.2.4.3.2.1.1 Transport channel parameters for Interactive/Background 32 kbps PS RAB

Higher layer	RAB/signalling RB User of Radio Bearer	RAB Interactive/ Background 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	24	
	MAC multiplexing	N/A	
Layer 1	TrCH type	FACH	
	TB sizes, bit	360	
	TFS	TF0, bits	0x360
		TF1, bits	1x360
	TTI, ms	10	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI before rate matching	1140	
	RM attribute	110-150	

6.10.2.4.3.2.1.2 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

Higher layer	RAB/signalling RB User of Radio Bearer	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH	
	RLC mode	UM	UM	AM	AM	AM	TM	
	Payload sizes, bit	152	136 or 120 (note)	128	128	128	166	
	Max data rate, bps	30400 (alt. 45600)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33200 (alt. 49800)	
	AMD/UMD/TrD PDU header, bit	8	8	16	16	16	0	
MAC	MAC header, bit	8	24 or 40	24	24	24	2	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	FACH						
	TB sizes, bit	168						
	TFS	TF0, bits	0x168					
		TF1, bits	1x168					
		TF2, bits	2x168					
		TF3, bits	N/A (alt. 3x168)					
	TTI, ms	10						
	Coding type	CC ½						
	CRC, bit	16						
Max number of bits/TTI before rate matching	752 (alt. 1136)							
RM attribute	200-240							
NOTE:	MAC header size and PLC payload size depend on use of U-RNTI or C-RNTI.							

6.10.2.4.3.2.1.3 TFCS

TFCS size	4, 5, or 6
TFCS	(32kbps RAB, SRBs for CCCH/DCCH/BCCH) = (TF0, TF0), (TF0, TF1), (TF0, TF2), [TF0, TF3] (note), (TF1, TF0), [TF1, TF1] (note)
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF2).

6.10.2.4.3.2.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.2a Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.2a.1 Transport channel parameters

6.10.2.4.3.2a.1.1 Transport channel parameters for Interactive or background / 32 kbps / PS RAB + 32 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	32000	32000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	24	24	
	MAC multiplexing	2 logical channel multiplexing		
Layer 1	TrCH type	FACH		
	TB sizes, bit	360		
	TFS	TF0, bits	0x360	
		TF1, bits	1x360	
	TTL, ms	10		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTL after channel coding	1140		
	RM attribute	110- 150		

6.10.2.4.3.2a.1.2 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.2a.1.3 TFCS

TFCS size	4 or 5 (alt. 4, 5 or 6)
TFCS	(SRBs for CCCH/DCCH/BCCH, 32kbps RAB + 32kbps RAB) = (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), [TF1, TF1] (note) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), [TF3, TF0] (note), (TF0, TF1), [TF1, TF1] (note))
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF2, TF0).

6.10.2.4.3.2a.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.3 Interactive/Background 32 kbps RAB + SRB for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.3.1 Transport channel parameters

6.10.2.4.3.3.1.1 Transport channel parameters of SRB for Interactive/Background 32 kbps RAB

See clause 6.10.2.4.3.2.1

6.10.2.4.3.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.2.4.3.1.1

6.10.2.4.3.3.1.3 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.3.1.4 TFCS

TFCS size	6, 7, 8 or 9 for 240 bits PCH TrBlk size (alt. 6, 7, 8, 9, 10, or 11 for 80 bits PCH TrBlk size)
TFCS	(32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) = (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note) (alt. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), [TF0, TF1, TF3] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note), [TF1, TF1, TF0] (see note))
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF0, TF2).

6.10.2.4.3.3.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.4 RB for CTCH + SRB for CCCH + SRB for BCCH

6.10.2.4.3.4.1 Transport channel parameters

6.10.2.4.3.4.1.1 Transport channel parameters of RB for CTCH

Higher layer	RAB/signalling RB		N/A
	User of Radio Bearer		BMC
RLC	Logical channel type		CTCH
	RLC mode		UM
	Payload sizes, bit		152
	Max data rate, bps		15200
	UMD PDU header, bit		8
MAC	MAC header, bit		8
	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		168
	TFS	TF0, bits	0x168
		TF1, bits	1x168
	TTI, ms		10
	Coding type		CC 1/3
	CRC, bit		16
	Max number of bits/TTI before rate matching		576
	RM attribute		200-240

6.10.2.4.3.4.1.2 Transport channel parameters of SRB for CCCH and SRB for BCCH

Higher layer	RAB/signalling RB		SRB#0	SRB#5
	User of Radio Bearer		RRC	RRC
RLC	Logical channel type		CCCH	BCCH
	RLC mode		UM	TM
	Payload sizes, bit		152	166
	Max data rate, bps		15200	16600
	AMD/UMD/TrD PDU header, bit		8	0
MAC	MAC header, bit		8	2
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH type		FACH	
	TB sizes, bit		168	
	TFS	TF0, bits	0x168	
		TF1, bits	1x168	
	TTI, ms		10	
	Coding type		CC 1/3	
	CRC, bit		16	
	Max number of bits/TTI before rate matching		576	
	RM attribute		200-240	

6.10.2.4.3.4.1.3 TFCS

TFCS size	3
TFCS	(RB for CTCH, SRBs for CCCH/ BCCH) = (TF0, TF0), (TF1, TF0), (TF0, TF1)

6.10.2.4.3.4.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	128
	Number of TFCI bits/slot	2
	Number of Pilot bits/slot	0
	Number of data bits/slot	38
	Number of data bits/frame	570

6.10.2.4.4 Combinations on PRACH

6.10.2.4.4.1 Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH

6.10.2.4.4.1.1 Transport channel parameters

6.10.2.4.4.1.1.1 Transport channel parameter for Interactive/Background 32 kbps PS RAB, SRB for CCCH, SRB for DCCH

Higher layer	RAB/signalling RB	RAB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio Bearer	Interactive/Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	
RLC	Logical channel type	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH	
	RLC mode	AM	TM	UM	AM	AM	AM	
	Payload sizes, bit	320	166	136	128	128	128	
	Max data rate, bps	32000	16600	13600	12800	12800	12800	
	AMD/UMD/TrD PDU header, bit	16	0	8	16	16	16	
MAC	MAC header, bit	24	2	24	24	24	24	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	RACH						
	TB sizes, bit	360	168	168	168	168	168	
	TFS	TF0, bits	1x168					
		TF1, bits	1x360					
	TTI, ms	20 (alt. 10)						
	Coding type	CC ½						
	CRC, bit	16						
	Max number of bits/TTI after channel coding	768	384	384	384	384	384	
	Max number of bits/Radio frame before rate matching	384 (alt. 768)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	

6.10.2.4.4.1.1.2 TFCS

TFCS size	2
TFCS	32 kbps + SRBs for CCCH/ DCCH = TF0, TF1

6.10.2.4.4.1.2 Physical channel parameters

PRACH	Minimum Spreading factor	64 (alt. 32)
	Max number of data bits/radio frame	600 (alt. 1200)
	Puncturing Limit	1

6.10.2.4.4.2 Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH

6.10.2.4.4.2.1 Transport channel parameters

6.10.2.4.4.2.1.1 Transport channel parameters for Interactive/Background 32 kbps PS RAB, Interactive/Background 32 kbps PS RAB, SRB for CCCH, SRB for DCCH

Higher layer	RAB/signalling RB	<u>RAB</u>	<u>RAB</u>	<u>SRB#0</u>	<u>SRB#1</u>	<u>SRB#2</u>	<u>SRB#3</u>	<u>SRB#4</u>	
	User of Radio Bearer	Interactive/Background RAB	Interactive/Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	
<u>RLC</u>	Logical channel type	<u>DTCH</u>	<u>DTCH</u>	<u>CCCH</u>	<u>DCCH</u>	<u>DCCH</u>	<u>DCCH</u>	<u>DCCH</u>	
	RLC mode	<u>AM</u>	<u>AM</u>	<u>TM</u>	<u>UM</u>	<u>AM</u>	<u>AM</u>	<u>AM</u>	
	Payload sizes, bit	<u>320</u>	<u>320</u>	<u>166</u>	<u>136</u>	<u>128</u>	<u>128</u>	<u>128</u>	
	Max data rate, bps	<u>32000</u>	<u>32000</u>	<u>16600</u>	<u>13600</u>	<u>12800</u>	<u>12800</u>	<u>12800</u>	
	AMD/UMD/TrD PDU header, bit	<u>16</u>	<u>16</u>	<u>0</u>	<u>8</u>	<u>16</u>	<u>16</u>	<u>16</u>	
<u>MAC</u>	MAC header, bit	<u>24</u>	<u>24</u>	<u>2</u>	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>	
	MAC multiplexing	7 logical channel multiplexing							
Layer 1	TrCH type	<u>RACH</u>							
	TB sizes, bit	<u>360</u>	<u>360</u>	<u>168</u>	<u>168</u>	<u>168</u>	<u>168</u>	<u>168</u>	
	TFS	TF0, bits	1x168						
		TF1, bits	1x360						
	TTI, ms	20 (alt. 10)							
	Coding type	CC 1/2							
	CRC, bit	16							
	Max number of bits/TTI after channel coding	<u>768</u>	<u>768</u>	<u>384</u>	<u>384</u>	<u>384</u>	<u>384</u>	<u>384</u>	
	Max number of bits/ Radio frame before rate matching	<u>384 (alt. 768)</u>	<u>384 (alt. 768)</u>	<u>192 (alt. 384)</u>	<u>192 (alt. 384)</u>	<u>192 (alt. 384)</u>	<u>192 (alt. 384)</u>	<u>192 (alt. 384)</u>	

6.10.2.4.4.2.1.2 TFCS

TFCS size	<u>2</u>
TFCS	<u>32 kbps RAB+ 32 kbps RAB + SRBs for CCCH/ DCCH = TF0, TF1</u>

6.10.2.4.4.2.2 Physical channel parameters

PRACH	Minimum Spreading factor	<u>64 (alt. 32)</u>
	Max number of data bits/radio frame	<u>600 (alt. 1200)</u>
	Puncturing Limit	<u>1</u>

3GPP TSG- T1 Meeting #16
 Yokohama, Japan, July 29th- August 2nd, 2002

T1-020539

3GPP TSG- T1 SIG Meeting #24
 Yokohama, Japan, July 29th-31st, 2002

T1S-020523

CR-Form-v6.1	
CHANGE REQUEST	
⌘	TS 34.108 CR 135
⌘ rev	-
⌘ Current version:	4.3.0
⌘ Spec Title:	Common Test Environments for User Equipment (UE) Conformance Testing

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 34.108 REL-4; Introduction of reference configurations on S-CCPCH and PRACH with two interactive PS domain RABs
Source:	⌘ Ericsson
Work item code:	⌘ TEI
	Date: ⌘ 2002-07-31
Category:	⌘ A
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .
	Release: ⌘ REL-4 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change: ⌘	1. The test coverage level is insufficient due to the lack of multiple RAB configurations on common channel
Summary of change: ⌘	Reference configuration 6.10.2.4.3.2a (new) <ul style="list-style-type: none"> A new configuration with two interactive/ background 32 kbps PS RABs is added to the configurations on S-CCPCH <p>In the LS from RAN2 in T1-020439 the clause number for the new configuration was proposed to be 6.10.2.4.3.5. However, to be consistent with how other reference radio bearer configurations have been added; and as the configuration is based on the configuration in 6.10.2.4.3.2; then the clause number for the new radio bearer configuration is proposed to be 6.10.2.4.3.2a.</p> <p style="background-color: cyan;">The TFCS has been aligned with changes introduced in CR in T1-020503/T1S-020400 to TFCS for reference configuration in clause 6.10.2.4.3.2.1.3.</p> Reference configuration 6.10.2.4.4.2 (new) <ul style="list-style-type: none"> A new configuration with two interactive/ background 32 kbps PS RABs is added to the configurations on PRACH

Consequences if not approved:	⌘ The test cases provide insufficient guarantee that UE will correctly support multiple RAB configurations on common channel									
Clauses affected:	⌘ 6.10.2.4.3.2a (new), 6.10.2.4.4.2 (new)									
Other specs affected:	<table border="0"> <tr> <td style="vertical-align: top;">⌘ <input type="checkbox"/></td> <td style="vertical-align: top;">Other core specifications</td> <td style="vertical-align: top;">⌘</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/></td> <td style="vertical-align: top;">Test specifications</td> <td style="vertical-align: top;"></td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/></td> <td style="vertical-align: top;">O&M Specifications</td> <td style="vertical-align: top;"></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									
Other comments:	⌘ Affects R'99 and R'4									

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Comprehensive information and tips about how to create CRs can be found at: 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.

6.10.2.4.3 Combinations on SCCPCH

6.10.2.4.3.1 Stand-alone signalling RB for PCCH

6.10.2.4.3.1.1 Transport channel parameters

6.10.2.4.3.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB	SRB	
	User of Radio Bearer	RRC	
RLC	Logical channel type	PCCH	
	RLC mode	TM	
	Payload sizes, bit	240 (alt. 80)	
	Max data rate, bps	24000 (alt. 8000)	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	PCH	
	TB sizes, bit	240 (alt. 80)	
	TFS	TF0, bits	0x240 (alt. 0x80)
		TF1, bits	1x240 (alt. 1x80)
	TTI, ms	10	
	Coding type	CC 1/2	
	CRC, bit	16	
	Max number of bits/TTI before rate matching	528 (alt. 208)	
RM attribute	210-250		

6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

6.10.2.4.3.1.2 Physical channel parameters

SCCPCH	TFCS size	2
	DTX position	N/A (SingleTrCH)
	Spreading factor	128(alt. 256)
	Number of TFCI bits/slot	0
	Number of Pilot bits/slot	0
	Number of data bits/slot	40(alt. 20)
	Number of data bits/frame	600(alt. 300)

6.10.2.4.3.2 Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.2.1 Transport channel parameters

6.10.2.4.3.2.1.1 Transport channel parameters for Interactive/Background 32 kbps PS RAB

Higher layer	RAB/signalling RB User of Radio Bearer	RAB Interactive/ Background 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	24	
	MAC multiplexing	N/A	
Layer 1	TrCH type	FACH	
	TB sizes, bit	360	
	TFS	TF0, bits	0x360
		TF1, bits	1x360
	TTI, ms	10	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI before rate matching	1140	
	RM attribute	110-150	

6.10.2.4.3.2.1.2 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

Higher layer	RAB/signalling RB User of Radio Bearer	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH	
	RLC mode	UM	UM	AM	AM	AM	TM	
	Payload sizes, bit	152	136 or 120 (note)	128	128	128	166	
	Max data rate, bps	30400 (alt. 45600)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33200 (alt. 49800)	
	AMD/UMD/TrD PDU header, bit	8	8	16	16	16	0	
MAC	MAC header, bit	8	24 or 40	24	24	24	2	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	FACH						
	TB sizes, bit	168						
	TFS	TF0, bits	0x168					
		TF1, bits	1x168					
		TF2, bits	2x168					
		TF3, bits	N/A (alt. 3x168)					
	TTI, ms	10						
	Coding type	CC 1/2						
	CRC, bit	16						
Max number of bits/TTI before rate matching	752 (alt. 1136)							
RM attribute	200-240							
NOTE:	MAC header size and PLC payload size depend on use of U-RNTI or C-RNTI.							

6.10.2.4.3.2.1.3 TFCS

TFCS size	4, 5, or 6
TFCS	(32kbps RAB, SRBs for CCCH/DCCH/BCCH) = (TF0, TF0), (TF0, TF1), (TF0, TF2), [TF0, TF3] (note), (TF1, TF0), [TF1, TF1] (note)
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF2).

6.10.2.4.3.2.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

[6.10.2.4.3.2a](#) [Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH](#)
[6.10.2.4.3.2a.1](#) [Transport channel parameters](#)
[6.10.2.4.3.2a.1.1](#) [Transport channel parameters for Interactive or background / 32 kbps / PS RAB + 32 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	32000	32000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	24	24	
	MAC multiplexing	2 logical channel multiplexing		
Layer 1	TrCH type	FACH		
	TB sizes, bit	360		
	TFS	TF0, bits	0x360	
		TF1, bits	1x360	
	TTL, ms	10		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTL after channel coding	1140		
	RM attribute	110- 150		

[6.10.2.4.3.2a.1.2](#) [Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH](#)

See clause [6.10.2.4.3.2.1.2](#)

[6.10.2.4.3.2a.1.3](#) [TFCS](#)

TFCS size	4 or 5 (alt. 4, 5 or 6)
TFCS	(SRBs for CCCH/DCCH/BCCH, 32kbps RAB + 32kbps RAB) = (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), [TF1, TF1] (note) (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), [TF3, TF0] (note), (TF0, TF1), [TF1, TF1] (note))
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF2, TF0).

6.10.2.4.3.2a.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.3 Interactive/Background 32 kbps RAB + SRB for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH

6.10.2.4.3.3.1 Transport channel parameters

6.10.2.4.3.3.1.1 Transport channel parameters of SRB for Interactive/Background 32 kbps RAB

See clause 6.10.2.4.3.2.1

6.10.2.4.3.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.2.4.3.1.1

6.10.2.4.3.3.1.3 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.3.1.4 TFCS

TFCS size	6, 7, 8 or 9 for 240 bits PCH TrBlk size (alt. 6, 7, 8, 9, 10, or 11 for 80 bits PCH TrBlk size)
TFCS	(32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) = (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note) (alt. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), [TF0, TF0, TF3] (see note), (TF0, TF1, TF0), (TF0, TF1, TF1), [TF0, TF1, TF2] (see note), [TF0, TF1, TF3] (see note), (TF1, TF0, TF0), [TF1, TF0, TF1] (see note), [TF1, TF1, TF0] (see note))
NOTE:	These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF0, TF2).

6.10.2.4.3.3.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	64
	Number of TFCI bits/slot	8
	Number of Pilot bits/slot	0
	Number of data bits/slot	72
	Number of data bits/frame	1080

6.10.2.4.3.4 RB for CTCH + SRB for CCCH + SRB for BCCH

6.10.2.4.3.4.1 Transport channel parameters

6.10.2.4.3.4.1.1 Transport channel parameters of RB for CTCH

Higher layer	RAB/signalling RB		N/A
	User of Radio Bearer		BMC
RLC	Logical channel type		CTCH
	RLC mode		UM
	Payload sizes, bit		152
	Max data rate, bps		15200
	UMD PDU header, bit		8
MAC	MAC header, bit		8
	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		168
	TFS	TF0, bits	0x168
		TF1, bits	1x168
	TTI, ms		10
	Coding type		CC 1/3
	CRC, bit		16
	Max number of bits/TTI before rate matching		576
	RM attribute		200-240

6.10.2.4.3.4.1.2 Transport channel parameters of SRB for CCCH and SRB for BCCH

Higher layer	RAB/signalling RB		SRB#0	SRB#5
	User of Radio Bearer		RRC	RRC
RLC	Logical channel type		CCCH	BCCH
	RLC mode		UM	TM
	Payload sizes, bit		152	166
	Max data rate, bps		15200	16600
	AMD/UMD/TrD PDU header, bit		8	0
MAC	MAC header, bit		8	2
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH type		FACH	
	TB sizes, bit		168	
	TFS	TF0, bits	0x168	
		TF1, bits	1x168	
	TTI, ms		10	
	Coding type		CC 1/3	
	CRC, bit		16	
	Max number of bits/TTI before rate matching		576	
	RM attribute		200-240	

6.10.2.4.3.4.1.3 TFCS

TFCS size	3
TFCS	(RB for CTCH, SRBs for CCCH/ BCCH) = (TF0, TF0), (TF1, TF0), (TF0, TF1)

6.10.2.4.3.4.2 Physical channel parameters

SCCPCH	DTX position	Flexible
	Spreading factor	128
	Number of TFCI bits/slot	2
	Number of Pilot bits/slot	0
	Number of data bits/slot	38
	Number of data bits/frame	570

6.10.2.4.4 Combinations on PRACH

6.10.2.4.4.1 Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH

6.10.2.4.4.1.1 Transport channel parameters

6.10.2.4.4.1.1.1 Transport channel parameter for Interactive/Background 32 kbps PS RAB, SRB for CCCH, SRB for DCCH

Higher layer	RAB/signalling RB	RAB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio Bearer	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	
RLC	Logical channel type	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH	
	RLC mode	AM	TM	UM	AM	AM	AM	
	Payload sizes, bit	320	166	136	128	128	128	
	Max data rate, bps	32000	16600	13600	12800	12800	12800	
	AMD/UMD/TrD PDU header, bit	16	0	8	16	16	16	
MAC	MAC header, bit	24	2	24	24	24	24	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	RACH						
	TB sizes, bit	360	168	168	168	168	168	
	TFS	TF0, bits	1x168					
		TF1, bits	1x360					
	TTI, ms	20 (alt. 10)						
	Coding type	CC 1/2						
	CRC, bit	16						
	Max number of bits/TTI after channel coding	768	384	384	384	384	384	
	Max number of bits/ Radio frame before rate matching	384 (alt. 768)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	

6.10.2.4.4.1.1.2 TFCS

TFCS size	2
TFCS	32 kbps + SRBs for CCCH/ DCCH = TF0, TF1

6.10.2.4.4.1.2 Physical channel parameters

PRACH	Minimum Spreading factor	64 (alt. 32)
	Max number of data bits/radio frame	600 (alt. 1200)
	Puncturing Limit	1

[6.10.2.4.4.2](#) [Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH](#)

[6.10.2.4.4.2.1](#) [Transport channel parameters](#)

[6.10.2.4.4.2.1.1](#) [Transport channel parameters for Interactive/Background 32 kbps PS RAB, Interactive/Background 32 kbps PS RAB, SRB for CCCH, SRB for DCCH](#)

Higher layer	RAB/signalling RB	<u>RAB</u>	<u>RAB</u>	<u>SRB#0</u>	<u>SRB#1</u>	<u>SRB#2</u>	<u>SRB#3</u>	<u>SRB#4</u>	
	User of Radio Bearer	Interactive/Background RAB	Interactive/Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	
RLC	Logical channel type	DTCH	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH	
	RLC mode	AM	AM	TM	UM	AM	AM	AM	
	Payload sizes, bit	320	320	166	136	128	128	128	
	Max data rate, bps	32000	32000	16600	13600	12800	12800	12800	
	AMD/UMD/TrD PDU header, bit	16	16	0	8	16	16	16	
MAC	MAC header, bit	24	24	2	24	24	24	24	
	MAC multiplexing	7 logical channel multiplexing							
Layer 1	TrCH type		RACH						
	TB sizes, bit		360	360	168	168	168	168	168
	TFS	TF0, bits	1x168						
		TF1, bits	1x360						
	TTI, ms		20 (alt. 10)						
	Coding type		CC 1/2						
	CRC, bit		16						
	Max number of bits/TTI after channel coding		768	768	384	384	384	384	384
	Max number of bits/ Radio frame before rate matching		384 (alt. 768)	384 (alt. 768)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)

[6.10.2.4.4.2.1.2](#) [TFCS](#)

TFCS size	2
TFCS	32 kbps RAB+ 32 kbps RAB + SRBs for CCCH/ DCCH = TF0, TF1

[6.10.2.4.4.2.2](#) [Physical channel parameters](#)

PRACH	Minimum Spreading factor	64 (alt. 32)
	Max number of data bits/radio frame	600 (alt. 1200)
	Puncturing Limit	1

CHANGE REQUEST

⌘ **34.108 CR 136** ⌘ rev **-** ⌘ Current version: **3.8.0** ⌘

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

Title: ⌘ Removal of referense radio bearer configurations for unidirectional streaming CS RABa above 64 kbps

Source: ⌘ Ericsson

Work item code: ⌘ -

Date: ⌘ 2002-06-27

Category: ⌘ **F**

Use one of the following categories:

F (correction)

A (corresponds to a correction in an earlier release)

B (addition of feature),

C (functional modification of feature)

D (editorial modification)

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

Release: ⌘ **R99**

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: ⌘ It is not possible to set up a CS service for RABs above 64 kbps, thus is the reference radio bearers for the streaming unidirectional CS RABs having bit rates above 64 kbps as specified in 34.108 not possible to be used in live networks.

TS 27.001 chapter B.1.13 clarifies that 64 kbps is the maximum bit rate that can be specified for CS data services.

TS 24.008 chapter 10.5.112 specifies the coding of the Bearer Capability Information Element, with a maximum user rate value of 64 kbps.

Summary of change: ⌘ Marked following reference radio bearer configurations as void:

- 6.10.2.4.1.20 Streaming / unknown / UL:0 DL:128 kbps / CS + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.21 Streaming / unknown / UL:128 DL:0 kbps / CS + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.22 Streaming / unknown / UL:0 DL:384 kbps / CS + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.47 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
- 6.10.2.4.1.48 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
- 6.10.2.4.1.55 Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS + UL:3.4 DL:3.4 kbps

SRBs for DCCH										
Consequences if not approved:	⌘ Not relevant reference radio bearer configurations specified in 34.108									
Clauses affected:	⌘ 6.10.2.4.1.20, 6.10.2.4.1.21, 6.10.2.4.1.22, 6.10.2.4.1.47, 6.10.2.4.1.48, 6.10.2.4.1.55									
Other specs affected:	<table border="0"> <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&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									
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.

<Start of modified section>

6.10.2.4.1.20 ~~Void Streaming / unknown / UL:0 DL:128 kbps / CS-RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~

~~6.10.2.4.1.20.1 Uplink~~

~~6.10.2.4.1.20.1.1 Transport channel parameters~~

~~6.10.2.4.1.20.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS-RAB~~

~~N/A~~

~~6.10.2.4.1.20.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.1.1.1.~~

~~6.10.2.4.1.20.1.1.3 TFCS~~

~~See clause 6.10.2.4.1.2.1.1.2.~~

~~6.10.2.4.1.20.1.2 Physical channel parameters~~

~~See clause 6.10.2.4.1.2.1.2.~~

~~6.10.2.4.1.20.2 Downlink~~

~~6.10.2.4.1.20.2.1 Transport channel parameters~~

~~6.10.2.4.1.20.2.1.1 Transport channel parameters for Streaming / unknown / DL:128 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	128000	
	TrD-PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	320	
	TFCS	TF0, bits	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
		TF5, bits	16x320
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	16152		
RM attribute	125-165		

~~6.10.2.4.1.20.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.2.1.1.~~

6.10.2.4.1.20.2.1.3 — TFCS

TFCS size	12
TFCS	(128 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)

6.10.2.4.1.20.2.2 — Physical channel parameters

DPCCH 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

6.10.2.4.1.21 Void Streaming / unknown / UL:128 DL:0 kbps / CS-RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.21.1 — Uplink

6.10.2.4.1.21.1.1 — Transport channel parameters

6.10.2.4.1.21.1.1.1 — Transport channel parameters for Streaming / unknown / UL:128 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	128000	
	TrD-PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 4	TrCH type	DCH	
	TB sizes, bit	320	
	TFS	TF0, bits	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
	TF5, bits	16x320	
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	16152		
Uplink: Max number of bits/radio frame before rate matching	4038		
RM attribute	125-165		

6.10.2.4.1.21.1.1.2 — Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

~~6.10.2.4.1.21.1.1.3 — TFCS~~

TFCS size	12
TFCS	(128 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)

~~6.10.2.4.1.21.1.2 — Physical channel parameters~~

DPCH Uplink	Min spreading factor	8
	Max number of DPDCH data bits/radio frame	4800
	Puncturing Limit	0.96

~~6.10.2.4.1.21.2 — Downlink~~~~6.10.2.4.1.21.2.1 — Transport channel parameters~~~~6.10.2.4.1.21.2.1.1 — Transport channel parameters for Streaming / unknown / DL:0 kbps / CS RAB~~~~N/A~~~~6.10.2.4.1.21.2.1.2 — Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~~~See clause 6.10.2.4.1.2.2.1.1.~~~~6.10.2.4.1.21.2.1.3 — TFCS~~~~See clause 6.10.2.4.1.2.2.1.1.~~~~6.10.2.4.1.21.2.2 — Physical channel parameters~~~~See clause 6.10.2.4.1.2.2.2.~~~~6.10.2.4.1.22 Void Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~~~6.10.2.4.1.22.1 — Uplink~~~~6.10.2.4.1.22.1.1 — Transport channel parameters~~~~6.10.2.4.1.22.1.1.1 — Transport channel parameters for Streaming / unknown / UL:0 kbps / CS RAB~~~~N/A~~~~6.10.2.4.1.22.1.1.2 — Transport channel parameters for UL:3.4 kbps SRBs for DCCH~~~~See clause 6.10.2.4.1.2.1.1.1.~~~~6.10.2.4.1.22.1.1.3 — TFCS~~~~See clause 6.10.2.4.1.2.1.1.2.~~~~6.10.2.4.1.22.1.2 — Physical channel parameters~~~~See clause 6.10.2.4.1.2.1.2.~~

6.10.2.4.1.22.2 — Downlink

6.10.2.4.1.22.2.1 — Transport channel parameters

6.10.2.4.1.22.2.1.1 — Transport channel parameters for Streaming / unknown / DL:384 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	384000	
	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	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
		TF5, bits	16x320
		TF6, bits	32x320
	TF7, bits	48x320	
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	48432	
RM attribute	110-150		

6.10.2.4.1.22.2.1.2 — Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.22.2.1.3 — TFCS

TFCS size	16
TFCS	(384 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1)

6.10.2.4.1.22.2.2 — 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>

<Start of next modified section>

6.10.2.4.1.47 ~~Void 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~~

~~6.10.2.4.1.47.1 Uplink~~

~~See clause 6.10.2.4.1.4.1.~~

~~6.10.2.4.1.47.2 Downlink~~

~~6.10.2.4.1.47.2.1 Transport channel parameters~~

~~6.10.2.4.1.47.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB~~

~~See clause 6.10.2.4.1.4.2.1.1.~~

~~6.10.2.4.1.47.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS RAB~~

~~See clause 6.10.2.4.1.20.2.1.1.~~

~~6.10.2.4.1.47.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.2.1.1.~~

~~6.10.2.4.1.47.2.1.4 TFCS~~

TFCS size	36
TFCS	(RAB-subflow#1, RAB-subflow#2, RAB-subflow#3, 128 kbps RAB, DCCH)= (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1), (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1), (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)

~~6.10.2.4.1.47.2.2 Physical channel parameters~~

DPCCH 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	

6.10.2.4.1.48 ~~Void 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~~

~~6.10.2.4.1.48.1 Uplink~~

~~See clause 6.10.2.4.1.4.1.~~

6.10.2.4.1.48.2 — Downlink

6.10.2.4.1.48.2.1 — Transport channel parameters

6.10.2.4.1.48.2.1.1 — Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS-RAB

See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.48.2.1.2 — Transport channel parameters for Streaming / unknown / DL:384 kbps / CS-RAB

See clause 6.10.2.4.1.22.2.1.1.

6.10.2.4.1.48.2.1.3 — Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.48.2.1.4 — TFCS

TFCS-size	48
TFCS	(RAB-subflow#1, RAB-subflow#2, RAB-subflow#3, 384 kbps RAB, DCCH)= (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0), (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0), (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1), (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1), (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1), (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1), (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)

6.10.2.4.1.48.2.2 — Physical channel parameters

DPCH Downlink	DTX-position		Flexible
	Spreading factor		8
	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>

<Start of next modified section>

6.10.2.4.1.55 ~~Void~~ ~~Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~

~~6.10.2.4.1.55.1 Uplink~~

~~See clause 6.10.2.4.1.24.1.~~

~~6.10.2.4.1.55.2 Downlink~~

~~6.10.2.4.1.55.2.1 Transport channel parameters~~

~~6.10.2.4.1.55.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB~~

~~See clause 6.10.2.4.1.27.2.1.1.~~

~~6.10.2.4.1.55.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS RAB~~

~~See clause 6.10.2.4.1.20.2.1.1.~~

~~6.10.2.4.1.55.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.2.1.1.~~

~~6.10.2.4.1.55.2.1.4 TFCS~~

TFCS size	60
TFCS	(/B 128 kbps RAB, Str. 128 kbps RAB, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0), (TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0), (TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0), (TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0), (TF0, TF5, TF0), (TF1, TF5, TF0), (TF2, TF5, TF0), (TF3, TF5, TF0), (TF4, TF5, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1), (TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1), (TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1), (TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1) (TF0, TF5, TF1), (TF1, TF5, TF1), (TF2, TF5, TF1), (TF3, TF5, TF1), (TF4, TF5, TF1)

~~6.10.2.4.1.55.2.2 Physical channel parameters~~

DPCH Downlink	DTX position		Flexible
	Spreading factor		8
	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>

CHANGE REQUEST

⌘ **34.108 CR 137** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘

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

Title: ⌘ Removal of referense radio bearer configurations for unidirectional streaming CS RABa above 64 kbps

Source: ⌘ Ericsson

Work item code: ⌘ TEI

Date: ⌘ 2002-06-27

Category: ⌘ **A**

Use one of the following categories:

F (correction)

A (corresponds to a correction in an earlier release)

B (addition of feature),

C (functional modification of feature)

D (editorial modification)

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

Release: ⌘ REL-4

Use one of the following releases:

2 (GSM Phase 2)

R96 (Release 1996)

R97 (Release 1997)

R98 (Release 1998)

R99 (Release 1999)

REL-4 (Release 4)

REL-5 (Release 5)

Reason for change: ⌘ It is not possible to set up a CS service for RABs above 64 kbps, thus is the reference radio bearers for the streaming unidirectional CS RABs having bit rates above 64 kbps as specified in 34.108 not possible to be used in live networks.

TS 27.001 chapter B.1.13 clarifies that 64 kbps is the maximum bit rate that can be specified for CS data services.

TS 24.008 chapter 10.5.112 specifies the coding of the Bearer Capability Information Element, with a maximum user rate value of 64 kbps.

Summary of change: ⌘ Marked following reference radio bearer configurations as void:

- 6.10.2.4.1.20 Streaming / unknown / UL:0 DL:128 kbps / CS + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.21 Streaming / unknown / UL:128 DL:0 kbps / CS + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.22 Streaming / unknown / UL:0 DL:384 kbps / CS + UL:3.4 DL:3.4 kbps SRBs for DCCH
- 6.10.2.4.1.47 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
- 6.10.2.4.1.48 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
- 6.10.2.4.1.55 Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS + UL:3.4 DL:3.4 kbps

SRBs for DCCH										
Consequences if not approved:	⌘ Not relevant reference radio bearer configurations specified in 34.108									
Clauses affected:	⌘ 6.10.2.4.1.20, 6.10.2.4.1.21, 6.10.2.4.1.22, 6.10.2.4.1.47, 6.10.2.4.1.48, 6.10.2.4.1.55									
Other specs affected:	<table border="0"> <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&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									
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.

<Start of modified section>

6.10.2.4.1.20 ~~Void Streaming / unknown / UL:0 DL:128 kbps / CS-RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~

~~6.10.2.4.1.20.1 Uplink~~

~~6.10.2.4.1.20.1.1 Transport channel parameters~~

~~6.10.2.4.1.20.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS-RAB~~

~~N/A~~

~~6.10.2.4.1.20.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.1.1.1.~~

~~6.10.2.4.1.20.1.1.3 TFCS~~

~~See clause 6.10.2.4.1.2.1.1.2.~~

~~6.10.2.4.1.20.1.2 Physical channel parameters~~

~~See clause 6.10.2.4.1.2.1.2.~~

~~6.10.2.4.1.20.2 Downlink~~

~~6.10.2.4.1.20.2.1 Transport channel parameters~~

~~6.10.2.4.1.20.2.1.1 Transport channel parameters for Streaming / unknown / DL:128 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	128000	
	TrD-PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	320	
	TFCS	TF0, bits	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
		TF5, bits	16x320
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	16152		
RM attribute	125-165		

~~6.10.2.4.1.20.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.2.1.1.~~

6.10.2.4.1.20.2.1.3 — TFCS

TFCS size	12
TFCS	(128 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)

6.10.2.4.1.20.2.2 — Physical channel parameters

DPCCH 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

6.10.2.4.1.21 [Void Streaming / unknown / UL:128 DL:0 kbps / CS-RAB](#)
+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.21.1 — Uplink

6.10.2.4.1.21.1.1 — Transport channel parameters

6.10.2.4.1.21.1.1.1 — Transport channel parameters for Streaming / unknown / UL:128 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	128000	
	TrD-PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 4	TrCH type	DCH	
	TB sizes, bit	320	
	TFS	TF0, bits	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
	TF5, bits	16x320	
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	16152		
Uplink: Max number of bits/radio frame before rate matching	4038		
RM attribute	125-165		

6.10.2.4.1.21.1.1.2 — Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

~~6.10.2.4.1.21.1.1.3 — TFCS~~

TFCS size	12
TFCS	(128 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)

~~6.10.2.4.1.21.1.2 — Physical channel parameters~~

DPCH Uplink	Min spreading factor	8
	Max number of DPDCH data bits/radio frame	4800
	Puncturing Limit	0.96

~~6.10.2.4.1.21.2 — Downlink~~~~6.10.2.4.1.21.2.1 — Transport channel parameters~~~~6.10.2.4.1.21.2.1.1 — Transport channel parameters for Streaming / unknown / DL:0 kbps / CS RAB~~~~N/A~~~~6.10.2.4.1.21.2.1.2 — Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~~~See clause 6.10.2.4.1.2.2.1.1.~~~~6.10.2.4.1.21.2.1.3 — TFCS~~~~See clause 6.10.2.4.1.2.2.1.1.~~~~6.10.2.4.1.21.2.2 — Physical channel parameters~~~~See clause 6.10.2.4.1.2.2.2.~~~~6.10.2.4.1.22 Void Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~~~6.10.2.4.1.22.1 — Uplink~~~~6.10.2.4.1.22.1.1 — Transport channel parameters~~~~6.10.2.4.1.22.1.1.1 — Transport channel parameters for Streaming / unknown / UL:0 kbps / CS RAB~~~~N/A~~~~6.10.2.4.1.22.1.1.2 — Transport channel parameters for UL:3.4 kbps SRBs for DCCH~~~~See clause 6.10.2.4.1.2.1.1.1.~~~~6.10.2.4.1.22.1.1.3 — TFCS~~~~See clause 6.10.2.4.1.2.1.1.2.~~~~6.10.2.4.1.22.1.2 — Physical channel parameters~~~~See clause 6.10.2.4.1.2.1.2.~~

6.10.2.4.1.22.2 — Downlink

6.10.2.4.1.22.2.1 — Transport channel parameters

6.10.2.4.1.22.2.1.1 — Transport channel parameters for Streaming / unknown / DL:384 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	384000	
	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	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
		TF5, bits	16x320
		TF6, bits	32x320
	TF7, bits	48x320	
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	48432	
RM attribute	110-150		

6.10.2.4.1.22.2.1.2 — Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.22.2.1.3 — TFCS

TFCS size	16
TFCS	(384 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1)

6.10.2.4.1.22.2.2 — 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>

<Start of next modified section>

6.10.2.4.1.47 ~~Void 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~~

~~6.10.2.4.1.47.1 Uplink~~

~~See clause 6.10.2.4.1.4.1.~~

~~6.10.2.4.1.47.2 Downlink~~

~~6.10.2.4.1.47.2.1 Transport channel parameters~~

~~6.10.2.4.1.47.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS-RAB~~

~~See clause 6.10.2.4.1.4.2.1.1.~~

~~6.10.2.4.1.47.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS-RAB~~

~~See clause 6.10.2.4.1.20.2.1.1.~~

~~6.10.2.4.1.47.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.2.1.1.~~

~~6.10.2.4.1.47.2.1.4 TFCS~~

TFCS size	36
TFCS	(RAB-subflow#1, RAB-subflow#2, RAB-subflow#3, 128 kbps RAB, DCCH) = (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1), (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1), (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)

~~6.10.2.4.1.47.2.2 Physical channel parameters~~

DPCCH 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	

6.10.2.4.1.48 ~~Void 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~~

~~6.10.2.4.1.48.1 Uplink~~

~~See clause 6.10.2.4.1.4.1.~~

6.10.2.4.1.48.2 — Downlink

6.10.2.4.1.48.2.1 — Transport channel parameters

6.10.2.4.1.48.2.1.1 — Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS-RAB

See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.48.2.1.2 — Transport channel parameters for Streaming / unknown / DL:384 kbps / CS-RAB

See clause 6.10.2.4.1.22.2.1.1.

6.10.2.4.1.48.2.1.3 — Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.48.2.1.4 — TFCS

TFCS-size	48
TFCS	(RAB-subflow#1, RAB-subflow#2, RAB-subflow#3, 384 kbps RAB, DCCH)= (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0), (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0), (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1), (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1), (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1), (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1), (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)

6.10.2.4.1.48.2.2 — Physical channel parameters

DPCH Downlink	DTX-position		Flexible
	Spreading factor		8
	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>

<Start of next modified section>

6.10.2.4.1.55 ~~Void~~ ~~Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~

~~6.10.2.4.1.55.1 Uplink~~

~~See clause 6.10.2.4.1.24.1.~~

~~6.10.2.4.1.55.2 Downlink~~

~~6.10.2.4.1.55.2.1 Transport channel parameters~~

~~6.10.2.4.1.55.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB~~

~~See clause 6.10.2.4.1.27.2.1.1.~~

~~6.10.2.4.1.55.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS RAB~~

~~See clause 6.10.2.4.1.20.2.1.1.~~

~~6.10.2.4.1.55.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH~~

~~See clause 6.10.2.4.1.2.2.1.1.~~

~~6.10.2.4.1.55.2.1.4 TFCS~~

TFCS size	60
TFCS	(/B 128 kbps RAB, Str. 128 kbps RAB, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0), (TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0), (TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0), (TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0), (TF0, TF5, TF0), (TF1, TF5, TF0), (TF2, TF5, TF0), (TF3, TF5, TF0), (TF4, TF5, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1), (TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1), (TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1), (TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1) (TF0, TF5, TF1), (TF1, TF5, TF1), (TF2, TF5, TF1), (TF3, TF5, TF1), (TF4, TF5, TF1)

~~6.10.2.4.1.55.2.2 Physical channel parameters~~

DPCH Downlink	DTX position		Flexible
	Spreading factor		8
	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>

CR-Form-v7

CHANGE REQUEST

⌘ **34.108 CR 138** ⌘ rev - ⌘ Current version: **4.3.0** ⌘

For [HELP](#) on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

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

Title:	⌘ RAB Combinations for IMS Services		
Source:	⌘ Hutchison 3G UK		
Work item code:	⌘ IMS-TEST	Date:	⌘ 29/07/2002
Category:	⌘ F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	⌘ Rel-5 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change: ⌘ RABs for support of IMS voice call is not defined as part of the conformance and testing specifications.

Summary of change: ⌘ 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

Isolated Impact Analysis: 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.

Consequences if not approved: ⌘ No RABs will be defined for supporting IMS Services.

Clauses affected: ⌘ 6.10.2

Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td></td><td>X</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td></td></tr></table>	Y	N		X	X				Other core specifications	⌘	TS 34.123
	Y	N											
		X											
X													
		Test specifications											
		O&M Specifications											
Other comments:	⌘												

How to create CRs using this form:

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

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

#	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	Streaming	Unknown	UL:0 DL:128	CS
18	Streaming	Unknown	UL:128 DL:0	CS
19	Streaming	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
37	Conversational	N/A	UL:42.8 DL:42.8	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.
- 21) Streaming / unknown / UL:128 DL:0 kbps / CS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 22) Streaming / unknown / UL:0 DL:384 kbps / CS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 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.
- 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.
- 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.
- 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.
- 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.

59) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB
+ Interactive or background / UL:16 DL:16 kbps / PS RAB
+ Interactive or background / UL:16 DL:16 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

60) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB
+ Interactive or background / UL:16 DL:16 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

Combinations on DSCH and DPCH

- 1) Interactive or background / UL:64 DL:256 kbps / PS RAB
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 2) Interactive or background / UL:64 DL:384 kbps / PS RAB
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 3) Interactive or background / UL:64 DL:2048 kbps / PS RAB
+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 4) 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.
- 5) 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.
- 6) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
+ Interactive or background / UL:64 DL:2048 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

Combinations on SCCPCH

- 1) Stand-alone 24 kbps SRB for PCCH.

- 2) Interactive or background / DL:32 kbps / PS RAB
 - + SRB for CCCH
 - + SRBs for DCCH
 - + SRB for BCCH.
- 3) Interactive or background / DL:32 kbps / PS RAB
 - + SRB for PCCH
 - + SRB for CCCH
 - + SRBs for DCCH
 - + SRB for BCCH.
- 4) RB for CTCH
 - + SRB for CCCH
 - +SRB for BCCH

Combinations on PRACH

- 1) Interactive or background / UL:32 kbps / PS RAB
 - + SRB for CCCH
 - + SRBs for DCCH.

6.10.2.3 Example of linkage between RABs and services

RABs, which are included in the present document, can provide the services as shown in table 6.10.1.1. Furthermore, the required BER for each RAB, which is assumed in the present document, is shown in table 6.10.2.3.1.

Table 6.10.2.3.1: Example of linkage between RABs and services

Traffic class [15]	RAB			Residual BER [15]	Services
	SSD [15]	Max. rate, kbps	CS/PS		
Conversational	Speech	UL:4.75-12.2 DL:4.75-12.2	CS	5×10^{-4} , 1×10^{-3} , 5×10^{-3}	AMR speech
Conversational	Unknown	UL:64 DL:64	CS	1×10^{-4} or 1×10^{-6}	UDI 1B, 64k 3G-324M [15]
Conversational	Unknown	UL:32 DL:32	CS	1×10^{-4} or 1×10^{-6}	32k 3G-324M [15]
Conversational	Unknown	UL:28.8 DL:28.8	CS	1×10^{-3}	Transparent modem
Streaming	Unknown	UL:14.4 DL:14.4	CS	1×10^{-3}	FAX ^[6]
Streaming	Unknown	UL:28.8 DL:28.8	CS	1×10^{-3}	FAX [18] PIAFS 32 kbps
Streaming	Unknown	UL:57.6 DL:57.6	CS	1×10^{-3}	Modem [18], FTM [17] PIAFS 64 kbps
Streaming	Unknown	UL:64-128 or DL:64-384	CS	1×10^{-3} or 1×10^{-4}	Streaming video, uni-directional
Interactive or Background	N/A	UL:32-384 DL:8-2048	PS	1×10^{-3} or 1×10^{-4}	Packet

[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

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. 59.1.2 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	
PDPC	PDPC header size, bit	8	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	920, 304, 96	
	Max data rate, bps	46000	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	928, 312, 104	
	TFS	TF0, bits	0x928
		TF1, bits	1x104
		TF2, bits	1x312
		TF3, bits	1x928
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2844	
	Uplink: Max number of bits/radio frame before rate matching	1422	
RM attribute	180-220		

6.10.2.4.1. 60.1.1.2 Transport channel parameters for Interactive / UL:16kbps / PS RAB

See clause 6.10.2.4.1.23b.1.1.1

6.10.2.4.1. 60.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1. 60.1.1.4 TFCS

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

6.10.2.4.1. 60.1.2 [Physical channel parameters](#)

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

6.10.2.4.1. 60.2 [Downlink](#)

6.10.2.4.1. 60.2.1 [Transport channel parameters](#)

6.10.2.4.1. 60.2.1.1 [Transport channel parameters for Conversational / speech / DL:42.8 kbps / PS RAB](#)

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

6.10.2.4.1. 60.2.1.2 [Transport channel parameters for Interactive / DL:16kbps PS RAB](#)

[See clause 6.10.2.4.1.23b.2.1.1](#)

6.10.2.4.1. 60.2.1.3 [Transport channel parameters for DL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.2.1.1](#)

6.10.2.4.1. 60.2.1.4 TFCS

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

6.10.2.4.1. 60.2.2 Physical channel parameters

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

CR-Form-v6.1	
CHANGE REQUEST	
⌘	TS 34.108 CR 139
⌘ rev	-
⌘	Current version: 3.8.0
⌘	Spec Title: Common Test Environments for User Equipment (UE)
	Conformance Testing

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:	⌘ Some corrections and updates in clause 6.1 TS 34.108 for TDD mode
Source:	⌘ Siemens
Work item code:	⌘ TEI
	Date: ⌘ 30/6/2002
Category:	⌘ F
	Release: ⌘ R99
	Use <u>one</u> of the following categories:
	<ul style="list-style-type: none"> 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 <u>one</u> of the following releases:
	<ul style="list-style-type: none"> 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:	⌘ Some updates and changes needed to be aligned with FDD requirements included.
Summary of change:	⌘
	6.1.0a.2 SIB configurations
	Sentence included for UTRAN/TDD SYSTEM and UTRAN/TDD+GERAN SYSTEM
	6.1.0b Contents of System Information Block type 7 (TDD)
	CHOICE Mode for TDD included
	6.1.1 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second SCCPCH
	- Contents of System Information Block type 6 in connected mode (TDD)
	6.1.2 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH, RB for CTCH + SRBs for CCCH/BCCH in the second SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the third SCCPCH (FDD only)
	(Specified for FDD only)
	6.1.3 SCCPCH configuration with Stand-alone SRB for PCCH in the first

	<p>SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second and third SCCPCHs</p> <ul style="list-style-type: none"> - Contents of Scheduling Block 1 is applicable for FDD and TDD - Contents of System Information Block type 5 (TDD) <p>6.1.5 Reference Radio Conditions for signalling test cases only (TDD)</p> <ul style="list-style-type: none"> - Some generic tables are specified to be used in the signalling tests. - For cell "off" a value of -110 dBm is proposed. Accuracy requirement of the RSCP measurement (6 dBm) and an additional "safeguard" (1 dBm) are estimated, over defined Qrxlevmin of -103 dBm for TDD. - These tables were discussed with Interdigital offline before including of this CR
Consequences if not approved:	⌘ The test prose cannot test UE correctly.

Clauses affected:	⌘ Section 6.1									
Other specs affected:	<table border="0"> <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&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									
Other comments:	⌘ This CR is based in T1S-020367. The only change is a editorial for reference radio conditions for signalling tests (TDD).									

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. 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 Reference System Configurations

This clause defines a number of Reference System Configurations which can be used for different tests.

6.1 Simulated network environments

The UE will eventually have to operate in either single mode networks (FDD or TDD) and dual mode networks (FDD+TDD).

It is <ffs> whether a reference environment needs to be defined for multi-mode networks (eg: the environment could be created by combining two appropriate reference environments from the single mode cases).

The following tables list the default parameters for 1 to 8 cell environments for testing.

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.

6.1.0a Default Master Information Block and Scheduling Block messages

6.1.0a.1 Grouping SIBs for testing

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

6.1.0a.2 SIB configurations

Currently three SIB configurations are used, Configuration 1 is default for both UTRAN/FDD SYSTEM and UTRAN/FDD + GERAN SYSTEM, [or both UTRAN/TDD SYSTEM and UTRAN/TDD + GERAN SYSTEM](#). Configuration 2 is for test cases which need two S_CCPCCH or two PRACH. Configuration 3 is for inter-RAT handover test cases.

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

6.1.0a.3 SIB default schedule

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB6	SIB7	SIB11	SIB12	SIB18
SIB_REP	8	16	64	64	64	64	64	64	16	64	64	64
SEG_COUNT	1	1	1	1	1	1	4	4	1	3	3	1

Frame No / SIB_POS	0	2	4	6	8	10	12	14
Block Type	MIB	SB1	SIB7	SIB6	MIB	SIB6	SIB6	SIB6

Frame No / SIB_POS	16	18	20	22	24	26	28	30
Block Type	MIB	SB1	SIB7/SIB 3	SIB1/SIB 2	MIB	SIB12	SIB12	SIB12

Frame No / SIB_POS	32	34	36	38	40	42	44	46
Block Type	MIB	SB1	SIB7/SIB 18	SIB5	MIB	SIB5	SIB5	SIB5

Frame No / SIB_POS	48	50	52	54	56	58	60	62
Block Type	MIB	SB1	SIB7/SIB 4		MIB	SIB11	SIB11	SIB11

...

Next change

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

...

Next change

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

[Contents of System Information Block type 5 \(3.84 Mcps TDD\)](#)

[<FFS>](#)

Contents of System Information Block type 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	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- ASC Setting	0 (ASC#7)
- CHOICE mode	7 (ASC#7)
- Available signature Start Index	'1111'B
- Available signature End Index	
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

- FACH/PCH information	(FACH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3

- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2

- SIB_REP	128
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- 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	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE

[Contents of System Information Block type 5 \(3.84 Mcps TDD\)](#)

[<FFS>](#)

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Next change

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	-80
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 type		Serving cell	Suitable neighbour cell
UTRA RF Channel Number		Channel 1	Channel 1
Qqualmin	dB	-24	-24
Qrxlevmin	dBm	-80	-80
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	-80
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	-80
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”.			

6.1.6 Reference Radio Conditions for signalling test cases only (TDD)

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[The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.](#)

Table 6.1.6: Default settings for a serving cell in a single cell environment

<u>Parameter</u>	<u>Unit</u>	<u>Cell 1</u>
<u>Cell type</u>		<u>Serving cell</u>
<u>UTRA RF Channel Number</u>		<u>Channel 1</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>-60</u>
<u>NOTE:</u> The cell fulfils TS 25.304, 5.2.3.1.2 and TS 25.123.		

Table 6.1.7: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment

<u>Parameter</u>	<u>Unit</u>	<u>Cell 1</u>	<u>Cell 2</u>
<u>Cell type</u>		<u>Serving cell</u>	<u>Suitable neighbour cell</u>
<u>UTRA RF Channel Number</u>		<u>Channel 1</u>	<u>Channel 1</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>-60</u>	<u>-70</u>
<u>NOTE:</u> Both cells fulfil TS 25.304, 5.2.3.1.2 and TS 25.123.			

Table 6.1.8: Default settings for a non-suitable cell

<u>Parameter</u>	<u>Unit</u>	<u>Level</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>-91</u>
<u>NOTE:</u> The cell is not suitable according to TS 25.304, 5.2.3.1.2		

Table 6.1.9: Default settings for a non-suitable "Off" cell

<u>Parameter</u>	<u>Unit</u>	<u>Level</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>≤ -110</u>
<u>NOTE:</u> The cell is not suitable according to TS 25.304, 5.2.3.1.2.		

CHANGE REQUEST

⌘ **TS 34.108 CR 140** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘
Spec Title: Common Test Environments for User Equipment (UE) ⌘
 Conformance Testing

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:	⌘ Some corrections and updates in clause 6.1 for TDD mode		
Source:	⌘ Siemens		
Work item code:	⌘ TEI, LCRTDD	Date:	⌘ 30/6/2002
Category:	⌘ F	Release:	⌘ REL-4
	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 TR 21.900 .		REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘ Some updates and changes needed to be aligned with FDD requirements.
Summary of change:	⌘ 6.1.0a.2 SIB configurations
	Sentence included for UTRAN/TDD SYSTEM and UTRAN/TDD+GERAN SYSTEM
	6.1.0b Contents of System Information Block type 7 (TDD)
	CHOICE Mode for TDD included
	6.1.1 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second SCCPCH
	- Contents of System Information Block type 6 in connected mode (3.84 Mcps TDD)
	- Contents of System Information Block type 6 in connected mode (1.28 Mcps TDD)
	6.1.2 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH, RB for CTCH + SRBs for CCCH/BCCH in the second SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the third SCCPCH (FDD only)
	(Specified for FDD only)

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

- Contents of Scheduling Block 1 is applicable for FDD and TDD
- Contents of System Information Block type 5 (3.84 Mcps TDD)
- Contents of System Information Block type 5 (1.28 Mcps TDD)

6.1.6 Reference Radio Conditions for signalling test cases only (TDD)

- Some generic tables are specified to be used in the signalling tests.
- For cell "off" a value of -110 dBm is proposed. Accuracy requirement of the RSCP measurement (6 dBm) and an additional "safeguard" (1 dBm) are estimated, over defined Qrxlevmin of -103 dBm for TDD.
- These tables were discussed with Interdigital offline before including of this CR

Consequences if not approved: ☼ The test prose cannot test UE correctly.

Clauses affected: ☼ Section 6.1

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

Other comments: ☼

How to create CRs using this form:

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

6 Reference System Configurations

This clause defines a number of Reference System Configurations which can be used for different tests.

6.1 Simulated network environments

The UE will eventually have to operate in either single mode networks (FDD or TDD) and dual mode networks (FDD+TDD).

It is <ffs> whether a reference environment needs to be defined for multi-mode networks (eg: the environment could be created by combining two appropriate reference environments from the single mode cases).

The following tables list the default parameters for 1 to 8 cell environments for testing.

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.

6.1.0a Default Master Information Block and Scheduling Block messages

6.1.0a.1 Grouping SIBs for testing

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

6.1.0a.2 SIB configurations

Currently three SIB configurations are used, Configuration 1 is default for both UTRAN/FDD SYSTEM and UTRAN/FDD + GERAN SYSTEM, [or both UTRAN/TDD SYSTEM and UTRAN/TDD + GERAN SYSTEM](#). Configuration 2 is for test cases which need two S_CCCH or two PRACH. Configuration 3 is for inter-RAT handover test cases.

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

6.1.0a.3 SIB default schedule

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB6	SIB7	SIB11	SIB12	SIB18
SIB_REP	8	16	64	64	64	64	64	64	16	64	64	64
SEG_COUNT	1	1	1	1	1	1	4	4	1	3	3	1

Frame No / SIB_POS	0	2	4	6	8	10	12	14
Block Type	MIB	SB1	SIB7	SIB6	MIB	SIB6	SIB6	SIB6

Frame No / SIB_POS	16	18	20	22	24	26	28	30
Block Type	MIB	SB1	SIB7/SIB 3	SIB1/SIB 2	MIB	SIB12	SIB12	SIB12

Frame No / SIB_POS	32	34	36	38	40	42	44	46
Block Type	MIB	SB1	SIB7/SIB 18	SIB5	MIB	SIB5	SIB5	SIB5

Frame No / SIB_POS	48	50	52	54	56	58	60	62
Block Type	MIB	SB1	SIB7/SIB 4		MIB	SIB11	SIB11	SIB11

...

Next change

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

...

Next change

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

[Contents of System Information Block type 5 \(3.84 Mcps TDD\)](#)

[<FFS>](#)

[Contents of System Information Block type 5 \(1.28 Mcps TDD\)](#)

[<FFS>](#)

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

[Contents of System Information Block type 6 in connected mode \(3.84 Mcps TDD\)](#)

[<FFS>](#)

[Contents of System Information Block type 6 in connected mode \(1.28 Mcps TDD\)](#)

[<FFS>](#)

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor β_c	10
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

- FACH/PCH information	(FACH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- 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	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	Not present
- Primary CPICH DL 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	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3

- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	½
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2

- SIB_REP	128
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- 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	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- 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	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- 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	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10
- Gain factor βd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- 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	FDD
- CHOICE mode	0 (ASC#5)
- Available signature Start Index	7 (ASC#5)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	Not Present
- ASC Setting	FDD
- CHOICE mode	0 (ASC#7)
- Available signature Start Index	7 (ASC#7)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	$\frac{1}{2}$
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	

- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCH existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCH Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition 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
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	16 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	17 (for FACH)
- CTCH indicator	FALSE

- CBS DRX Level 1 information	Not Present
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[Contents of System Information Block type 5 \(3.84 Mcps TDD\)](#)

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[Contents of System Information Block type 5 \(1.28 Mcps TDD\)](#)

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Next change

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	-80
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 type		Serving cell	Suitable neighbour cell
UTRA RF Channel Number		Channel 1	Channel 1
Qqualmin	dB	-24	-24
Qrxlevmin	dBm	-80	-80
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	-80
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	-80
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”.			

6.1.6 Reference Radio Conditions for signalling test cases only (TDD)

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[The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.](#)

Table 6.1.6: Default settings for a serving cell in a single cell environment

<u>Parameter</u>	<u>Unit</u>	<u>Cell 1</u>
<u>Cell type</u>		<u>Serving cell</u>
<u>UTRA RF Channel Number</u>		<u>Channel 1</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>-60</u>
<u>NOTE:</u> The cell fulfils TS 25.304, 5.2.3.1.2 and TS 25.123.		

Table 6.1.7: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment

<u>Parameter</u>	<u>Unit</u>	<u>Cell 1</u>	<u>Cell 2</u>
<u>Cell type</u>		<u>Serving cell</u>	<u>Suitable neighbour cell</u>
<u>UTRA RF Channel Number</u>		<u>Channel 1</u>	<u>Channel 1</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>-60</u>	<u>-70</u>
<u>NOTE:</u> Both cells fulfil TS 25.304, 5.2.3.1.2 and TS 25.123.			

Table 6.1.8: Default settings for a non-suitable cell

<u>Parameter</u>	<u>Unit</u>	<u>Level</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>-91</u>
<u>NOTE:</u> The cell is not suitable according to TS 25.304, 5.2.3.1.2		

Table 6.1.9: Default settings for a non-suitable "Off" cell

<u>Parameter</u>	<u>Unit</u>	<u>Level</u>
<u>Qrxlevmin</u>	<u>dBm</u>	<u>-81</u>
<u>UE TXPWR_MAX_RACH</u>	<u>dBm</u>	<u>21</u>
<u>PCCPCH RSCP</u>	<u>dBm</u>	<u>≤ -110</u>
<u>NOTE:</u> The cell is not suitable according to TS 25.304, 5.2.3.1.2.		

CHANGE REQUEST

⌘ **TS 34.108 CR 141** ⌘ rev **-** ⌘ Current version: **3.8.0** ⌘
Spec Title: Common Test Environments for User Equipment (UE) ⌘
 Conformance Testing

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:	⌘	Inclusion of default message contents for RF in clause 9.2 for TDD mode	
Source:	⌘	Siemens	
Work item code:	⌘	TEI	Date: ⌘ 30/6/2002
Category:	⌘	F	Release: ⌘ 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 TR 21.900 .	REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘	TDD default message contents are included for testing UE properly
Summary of change:	⌘	Section 9.2 is splitted in two subsections, one for FDD and one for TDD The next default message contents were identified as different for FDD and TDD <ul style="list-style-type: none"> - Contents of RADIO BEARER SETUP message: AM or UM - Contents of RRC CONNECTION SETUP message: UM
Consequences if not approved:	⌘	The test prose cannot test UE correctly.

Clauses affected:	⌘	Section 9.2
Other specs affected:	⌘	<input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘	T1S-020346 was taken in account.

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. Below is a brief summary:

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

9.2 Default Message Contents for RF

This clause contains the default values of common messages for RF test. The parameters of the UL/DL reference measurement channel 12.2kbps and UE test loop mode 1 without 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

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

Contents of Open UE Test Loop message

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

Contents of PAGING TYPE 1 message: TM (CS)

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

Contents of PAGING TYPE 1 message: TM (PS)

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

Contents of RADIO BEARER SETUP message: AM or UM

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"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>200 200 TRUE Not Present</p> <p>2RBMuxOptions 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 6</p> <p>1 FACH Not Present Not Present Not Present</p>
<p>RB information to be affected list 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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation 	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"> - TFCS complete reconfigure information - CHOICE CTFC Size <ul style="list-style-type: none"> - CTFC information - 2bit CTFC -Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} - 2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode <ul style="list-style-type: none"> - Power offset P_{p-m} Deleted UL TrCH information list		2 bit CTFC 4 TFCs 0 Computed Gain Factors 0 FDD Not Present 2 Computed Gain Factors 0 FDD Not Present 1 Computed Gain Factors 0 FDD Not Present 3 Signalled Gain Factors FDD 8 15 0 FDD Not Present Not Present
Added or Reconfigured UL TrCH information list <ul style="list-style-type: none"> - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport Format Information - RLC size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format Information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	A1	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"> - CPCH set ID - 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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	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"> - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity 	A1,A3	Not Present 1 DCH 6

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info 		Same as UL DCH 1 -2.0 Not Present
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> - Uplink DPCH power control info - CHOICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode <ul style="list-style-type: none"> - Downlink PDSCH information 	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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - CHOICE mode <ul style="list-style-type: none"> - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF <ul style="list-style-type: none"> - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> - Downlink information for each radio link <ul style="list-style-type: none"> - CHOICE mode <ul style="list-style-type: none"> - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL <ul style="list-style-type: none"> - CHOICE mode <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code <ul style="list-style-type: none"> - 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,A3	FDD 100 Not Present Not Present FDD Primary CPICH may be used 0 chips 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	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	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"> - RLC info - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Signalling RB information to setup - RB identity - CHOICE RLC info type - RLC info 	<ul style="list-style-type: none"> 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 5 2 Configured 2 1 DCH 10 Not Present 2 Not Present 1 RACH Not Present 2 Explicit List Reference to TS34.108 clause 6 Parameter Set 3 1 FACH Not Present Not Present 2 (AM DCCH for NAS_DT High priority) Not Present

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	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	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	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	5
- 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 β_c	15
- Gain factor β_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	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P _{Pilot-DPDCH}	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSdT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 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	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	Set to an arbitrarily selected 32-bits integer
- Message authentication code	Set to an arbitrarily selected integer between 0 and 15
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security 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.
- Ciphering algorithm capability	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.
- UEA0	Spare 2-15 = FALSE
- UEA1	0000000000000010B (UIA1)
- Spare	TRUE
- Integrity protection algorithm capability	Spare 0 and Spare 2-15 = FALSE
- UIA1	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.
- Spare	Start/restart
Ciphering mode info	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 mode command	Not Present
- Ciphering algorithm	1
- Ciphering activation time for DPCH	Current RLC SN+2
- Radio bearer downlink ciphering activation time info	2
- Radio bearer activation time	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
- RB identity	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.
- RLC sequence number	Start
Integrity protection mode info	Not Present
- Integrity protection mode command	UIA1
- Downlink integrity protection activation info	SS selects an arbitrary 32 bits number for FRESH
- Integrity protection algorithm	CS or PS
- Integrity protection initialisation number	Not Checked
CN domain identity	
UE system specific security capability	

9.2.2 Default Message Contents for RF (TDD)

Contents of Activate RB Test Mode message

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

Contents of Close UE Test Loop message

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

Contents of Open UE Test Loop message

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

Contents of PAGING TYPE 1 message: TM (CS)

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

Contents of PAGING TYPE 1 message: TM (PS)

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

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
<u>Message Type</u> <u>RRC transaction identifier</u> <u>Integrity check info</u> <u> - message authentication code</u> <u> - RRC message sequence number</u> <u>Integrity protection mode info</u> <u>Ciphering mode info</u> <u>Activation time</u> <u>New U-RNTI</u> <u>New C-RNTI</u> <u>New DSCH-RNTI</u> <u>RRC State indicator</u> <u>UTRAN DRX cycle length coefficient</u> <u>CN information info</u> <u>URA identity</u> <u>Signalling RB information to setup</u>	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
<u>RAB information for setup list</u> <u>- RAB information for setup</u> <u> - RAB info</u> <u> - RAB identity</u> <u> - CN domain identity</u> <u> - NAS Synchronization Indicator</u> <u> - Re-establishment timer</u> <u> - RB information to setup list</u> <u> - RB information to setup</u> <u> - RB identity</u> <u> - PDCP info</u> <u> - CHOICE RLC info type</u> <u> - CHOICE Uplink RLC mode</u> <u> - Transmission RLC discard</u> <u> - Segmentation indication</u> <u> - CHOICE Downlink RLC mode</u> <u> - Segmentation indication</u> <u> - RB mapping info</u> <u> - Information for each multiplexing option</u> <u> - RLC logical channel mapping indicator</u> <u> - Number of uplink RLC logical channels</u> <u> - Uplink transport channel type</u> <u> - UL Transport channel identity</u> <u> - Logical channel identity</u> <u> - CHOICE RLC size list</u> <u> - MAC logical channel priority</u> <u> - Downlink RLC logical channel info</u> <u> - Number of downlink RLC logical channels</u> <u> - Downlink transport channel type</u> <u> - DL DCH Transport channel identity</u> <u> - DL DSCH Transport channel identity</u> <u> - Logical channel identity</u>	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
<u>RAB information for setup list</u> <u>- RAB information for setup</u> <u> - RAB info</u> <u> - RAB identity</u> <u> - CN domain identity</u> <u> - NAS Synchronization Indicator</u> <u> - Re-establishment timer</u> <u> - RB information to setup list</u> <u> - RB information to setup</u> <u> - RB identity</u>	A3	0000 0101B PS domain Not Present UseT314 20

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>2RBMuxOptions 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 8</p> <p>1 FACH Not Present Not Present Not Present</p>
<ul style="list-style-type: none"> RB information to be affected list Downlink counter synchronisation info 	A1,A3	<p>Not Present Not Present</p>
<ul style="list-style-type: none"> UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS - CHOICE TFCI signalling 	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>

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - <u>TFCI Field 1 information</u> - <u>TFCS complete reconfigure information</u> - <u>CHOICE TFCS Size</u> <ul style="list-style-type: none"> - <u>CTFC information</u> - <u>CHOICE mode</u> - <u>Individual UL CCTrCH information</u> <u>Deleted UL TrCH information list</u>		<u>Number of used bits must be enough to cover all combinations of CTFC from clauses 6.</u> <u>Refer to TS34.108 clause 6 Parameter Set</u> <u>Not Present</u> <u>TDD</u> <u>Not Present</u> <u>Not Present</u>
<u>Added or Reconfigured UL TrCH information list</u> <ul style="list-style-type: none"> - <u>Added or Reconfigured UL TrCH information</u> - <u>Uplink transport channel type</u> - <u>UL Transport channel identity</u> - <u>TFS</u> - <u>CHOICE Transport channel type</u> - <u>Dynamic Transport Format Information</u> - <u>RLC size</u> <ul style="list-style-type: none"> - <u>Number of TBs and TTI List</u> - <u>Transmission Time Interval</u> - <u>Number of Transport blocks</u> <ul style="list-style-type: none"> - <u>Transmission Time Interval</u> - <u>Number of Transport blocks</u> - <u>CHOICE Logical Channel List</u> - <u>Semi-static Transport Format Information</u> - <u>Transmission time interval</u> <ul style="list-style-type: none"> - <u>Type of channel coding</u> <ul style="list-style-type: none"> - <u>Coding Rate</u> <ul style="list-style-type: none"> - <u>Rate matching attribute</u> <ul style="list-style-type: none"> - <u>CRC size</u> 	<u>A1</u>	<u>1</u> <u>DCH</u> <u>1</u> <u>Dedicated transport channels</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>(This IE is repeated for TFI number.)</u> <u>Not Present</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Not Present</u> <u>1</u> <u>ALL</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>CHOICE mode</u>	<u>A1, A3</u>	<u>TDD (no data)</u>
<u>DL Transport channel information common for all transport channel</u> <ul style="list-style-type: none"> - <u>SCCPCH TFCS</u> - <u>CHOICE mode</u> - <u>CHOICE DL parameters</u> 	<u>A1,A3</u>	<u>Not Present</u> <u>TDD</u> <u>Independent (Refer to TS34.108 clause 6)</u>
<u>Deleted DL TrCH information list</u> <u>Added or Reconfigured DL TrCH information list</u> <ul style="list-style-type: none"> - <u>Added or Reconfigured DL TrCH information</u> - <u>Downlink transport channel type</u> - <u>DL Transport channel identity</u> - <u>CHOICE DL parameters</u> - <u>Uplink transport channel type</u> - <u>UL TrCH identity</u> - <u>DCH quality target</u> - <u>BLER Quality value</u> 	<u>A1,A3</u>	<u>Not Present</u> <u>1</u> <u>DCH</u> <u>6</u> <u>Same as UL</u> <u>DCH</u> <u>1</u> <u>Reference to TS34.108 clause 6</u>
<u>Frequency info</u> <u>Maximum allowed UL TX power</u> <u>CHOICE channel requirement</u> <ul style="list-style-type: none"> - <u>Uplink DPCH power control info</u> - <u>CHOICE mode</u> - <u>UL Target SIR</u> - <u>CHOICE UL OL PC info</u> - <u>Individual timeslot interference info</u> - <u>Individual timeslot interference</u> - <u>DPCH Constant Value</u> <ul style="list-style-type: none"> - <u>Uplink Timing Advance Control</u> - <u>UL CCTrCH List</u> - <u>TFCS Id</u> - <u>Time info</u> 	<u>A1,A3</u>	<u>Not Present</u> <u>30dBm</u> <u>Uplink DPCH info</u> <u>TDD</u> <u>Reference to TS34.108 Parameter set.</u> <u>Individually signalled</u> <u>Values are used for open loop power control, section 8 in TS 25.331</u> <u>Not Present</u> <u>1</u>

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - <u>Activation time</u> - <u>Duration</u> - <u>Common timeslot info</u> - <u>2nd interleaving mode</u> - <u>TFCI coding</u> - <u>Puncturing Limit</u> - <u>Repetition Period</u> - <u>Repetition Length</u> - <u>First individual timeslot info</u> - <u>Timeslot number</u> - <u>TFCI existence</u> - <u>Midamble shift and burst type</u> <ul style="list-style-type: none"> - <u>CHOICE Burst Type</u> <ul style="list-style-type: none"> - <u>Type 1</u> - <u>Midamble Allocation Mode</u> - <u>Midamble configuration burst type 1 and 3</u> - <u>First timeslot channelisation codes</u> - <u>Channelisation code</u> - <u>CHOICE more timeslots</u> <p><u>CHOICE Mode</u></p>		<p>$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$ <u>Infinite</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>The number of an uplink timeslot that has unassigned codes.</u> <u>TRUE</u></p> <p><u>Default</u> <u>As defined in 3GPP TS 25.221</u></p> <p><u>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.</u> <u>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.</u> <u>TDD (no data)</u></p>
<p><u>Downlink information common for all radio links</u></p> <ul style="list-style-type: none"> - <u>Downlink DPCH info common for all RL</u> - <u>Timing indicator</u> - <u>CFN-targetSFN frame offset</u> - <u>Downlink DPCH power control information</u> - <u>CHOICE mode</u> - <u>DPC mode</u> - <u>Default DPCH Offset Value</u> 	<u>A1,A3</u>	<p><u>Maintain</u> <u>Not Present</u></p> <p><u>TDD</u> <u>0 (single)</u> <u>Not Present</u></p>
<p><u>Downlink information for per radio link list</u></p> <ul style="list-style-type: none"> - <u>Downlink information for each radio link</u> - <u>CHOICE mode</u> <ul style="list-style-type: none"> - <u>Primary CCPCH info</u> - <u>CHOICE SyncCase</u> <ul style="list-style-type: none"> - <u>Timeslot</u> - <u>Cell parameters ID</u> - <u>SCTD indicator</u> - <u>Downlink DPCH info for each RL</u> <ul style="list-style-type: none"> - <u>CHOICE mode</u> <ul style="list-style-type: none"> - <u>DL CCTrCH List</u> - <u>TFCS ID</u> - <u>Time info</u> <ul style="list-style-type: none"> - <u>Activation time</u> - <u>Duration</u> - <u>Common timeslot info</u> <ul style="list-style-type: none"> - <u>2nd interleaving mode</u> - <u>TFCI coding</u> - <u>Puncturing limit</u> - <u>Repetition period</u> - <u>Repetition length</u> - <u>Downlink DPCH timeslots and codes</u> <ul style="list-style-type: none"> - <u>Individual timeslot info</u> <ul style="list-style-type: none"> - <u>Timeslot number</u> 	<u>A1,A3</u>	<p><u>TDD</u></p> <p><u>Sync Case 1</u> <u>PCCPCH timeslot</u> <u>0</u></p> <p><u>TDD</u></p> <p><u>1</u></p> <p>$(256+CFN-(CFN \text{ mod } 8 + 8))\text{mod } 256$ <u>infinite</u></p> <p><u>Reference to TS34.108</u> <u>TRUE</u> <u>Reference to TS34.108 clause 6 Parameter set</u> <u>1</u> <u>Empty</u></p> <p><u>The number of a downlink timeslot that has</u></p>

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<u>- TFCI existence</u> <u>- Midamble shift and burst type</u> <u>-CHOICE Burst Type</u> <u>-Type 1</u> <u>-Midamble Allocation Mode</u> <u>- Midamble configuration burst type 1 and 3</u> <u>- First timeslot channelisation codes</u> <u>- First channelisation code</u> <u>- Last channelisation code</u> <u>- Bitmap</u> <u>- CHOICE more timeslots</u> <u>- UL CCTrCH TPC List</u> <u>-SCCPCH information for FACH</u>		<u>unassigned codes.</u> <u>TRUE</u> <u>Default</u> <u>As defined in 3GPP TS 25.221</u> <u>(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set..</u> <u>(j/SF) where j is the highest numbered code that is being assigned in the slot.</u> <u>Bitmap of the codes that are being assigned in the slot.</u> <u>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..</u> <u>Not Present</u> <u>Not Present</u>

<u>Condition</u>	<u>Explanation</u>
<u>A1</u>	<u>This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.</u>
<u>A3</u>	<u>This IE is needed for acknowledged mode.</u>
<u>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.</u>	

Contents of RRC CONNECTION RELEASE message: UM

<u>Information Element</u>	<u>Value/remark</u>
<u>Message Type</u> <u>U-RNTI</u> <u>- SRNC identity</u> <u>- S-RNTI</u> <u>RRC transaction identifier</u> <u>Integrity check info</u> <u>- Message authentication code</u> <u>- RRC Message sequence number</u> <u>N308</u> <u>Release cause</u> <u>Rplmn information</u>	<u>This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent.</u> <u>0000 0000 0001B</u> <u>0000 0000 0000 0000 0001B</u> <u>Arbitrarily selects an integer between 0 and 3</u> <u>The presence of this IE depends on 2 factors:</u> <u>(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.</u> <u>(b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.</u> <u>SS calculates the value of MAC-I for this message and writes to this IE.</u> <u>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).</u> <u>Normal event</u> <u>Not Present</u>

Contents of RRC CONNECTION SETUP message: UM

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

<u>Information Element</u>	<u>Value/remark</u>
- 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	

<u>Information Element</u>	<u>Value/remark</u>
- 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

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

<u>Information Element</u>	<u>Value/remark</u>
- UL TFCS	<u>Default value is the complete existing set of transport format combinations</u>
- TFC subset	
- Allowed Transport Format combination	<u>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</u>
- PRACH TFCS	<u>(This IE is repeated for TFC number.)</u>
- CHOICE TFCI signalling	<u>Normal</u>
- TFCI Field 1 information	
- TFCS complete reconfigure information	<u>Number of used bits must be enough to cover all combinations of CTFC from clauses 6.</u>
- CHOICE TFCS Size	<u>Refer to TS34.108 clause 6 Parameter Set</u>
- CTFC information	<u>Not Present</u>
- CHOICE mode	<u>TDD</u>
- Individual UL CCTrCH information	<u>Not Present</u>
Deleted TrCH information list	<u>Not Present</u>
Added or Reconfigured UL TrCH information list	<u>1</u>
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	<u>DCH</u>
- UL Transport channel identity	<u>5</u>
- TFS	
- CHOICE Transport channel type	<u>Dedicated transport channels</u>
- Dynamic Transport Format Information	
- RLC size	<u>According to TS34.108 clause 6</u>
- Number of TBs and TTI List	<u>(This IE is repeated for TFI number)</u>
- CHOICE mode	<u>TDD</u>
- Transmission Time Interval	<u>According to TS34.108 clause 6</u>
- CHOICE Logical channel list	<u>All</u>
- Semi-static Transport Format information	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	<u>Not Present</u>
- CHOICE mode	<u>TDD</u>
- CHOICE DL parameters	<u>Same as UL</u>
Added or Reconfigured DL TrCH information list	<u>1</u>
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	<u>DCH</u>
- DL Transport channel identity	<u>10</u>
- CHOICE DL parameters	<u>Same as UL</u>
- Uplink transport channel type	<u>DCH</u>
- UL TrCH Identity	<u>5</u>
- DCH quality target	
- BLER Quality value	<u>Reference to TS 34.108</u>
Frequency info	<u>Not Present</u>
Maximum allowed UL TX power	<u>Not Present</u>
CHOICE channel requirement	<u>Uplink DPCH info</u>
- Uplink DPCH power control info	
- CHOICE mode	<u>TDD</u>
- UL target SIR	<u>Reference to TS34.108 Parameter set</u>
- CHOICE mode	<u>TDD</u>
- CHOICE UL OL PC info	<u>Individually signalled</u>
- Individual timeslot interference info	<u>Not Present</u>
- Individual timeslot interference	
- DPCH Constant Value	
- Primary CCPCH Tx Power	<u>Not Present</u>
- Time info	
- Activation time	<u>(256+CFN-(CFN MOD 8 + 8))MOD 256</u>
- Duration	<u>Infinite</u>
- Common timeslot info	

<u>Information Element</u>	<u>Value/remark</u>
- 2 nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
<u>Downlink information common for all radio links</u>	
- 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 (no data)
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512
<u>Downlink information for per radio links list</u>	
-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	$(256+CFN-(CFN \text{ mod } 8 + 8)) \text{ mod } 256$
- Duration	infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE <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

<u>Information Element</u>	<u>Value/remark</u>
<u>Message Type</u>	<u>Arbitrarily selects an integer between 0 and 3</u>
<u>RRC transaction identifier</u>	<u>Set to an arbitrarily selected 32-bits integer</u>
<u>Integrity check info</u>	<u>Set to an arbitrarily selected integer between 0 and 15</u>
- <u>Message authentication code</u>	
- <u>RRC Message Sequence Number</u>	
<u>Security capability</u>	
- <u>Ciphering algorithm capability</u>	<u>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.</u>
- <u>UEA0</u>	<u>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.</u>
- <u>UEA1</u>	<u>Spare 2-15 = FALSE</u>
- <u>Spare</u>	<u>0000000000000010B (UIA1)</u>
- <u>Integrity protection algorithm capability</u>	<u>TRUE</u>
- <u>UIA1</u>	<u>Spare 0 and Spare 2-15 = FALSE</u>
- <u>Spare</u>	<u>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.</u>
<u>Ciphering mode info</u>	<u>Start/restart</u>
- <u>Ciphering mode command</u>	<u>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</u>
- <u>Ciphering algorithm</u>	<u>Not Present</u>
- <u>Ciphering activation time for DPCH</u>	
- <u>Radio bearer downlink ciphering activation time info</u>	
- <u>Radio bearer activation time</u>	
- <u>RB identity</u>	<u>1</u>
- <u>RLC sequence number</u>	<u>Current RLC SN+2</u>
- <u>RB identity</u>	<u>2</u>
- <u>RLC sequence number</u>	<u>Current RLC SN+2</u>
- <u>RB identity</u>	<u>3</u>
- <u>RLC sequence number</u>	<u>Current RLC SN + 2</u>
- <u>RB identity</u>	<u>4</u>
- <u>RLC sequence number</u>	<u>Current RLC SN + 2</u>
<u>Integrity protection mode info</u>	<u>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.</u>
- <u>Integrity protection mode command</u>	<u>Start</u>
- <u>Downlink integrity protection activation info</u>	<u>Not Present</u>
- <u>Integrity protection algorithm</u>	<u>UIA1</u>
- <u>Integrity protection initialisation number</u>	<u>SS selects an arbitrary 32 bits number for FRESH</u>
<u>CN domain identity</u>	<u>CS or PS</u>
<u>UE system specific security capability</u>	<u>Not Checked</u>

CR-Form-v6.1

CHANGE REQUEST

⌘ **TS 34.108 CR 142** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘
Spec Title: Common Test Environments for User Equipment (UE) ⌘
 Conformance Testing

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:	⌘	Inclusion of default message contents for RF in clause 9.2 for TDD mode	
Source:	⌘	Siemens	
Work item code:	⌘	TEI, LCRTDD	Date: ⌘ 30/6/2002
Category:	⌘	F	Release: ⌘ REL-4
		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 TR 21.900 .	REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘	TDD default message contents are included for testing UE properly
Summary of change:	⌘	Section 9.2 is splitted in two subsections, one for FDD and one for TDD The next default message contents were identified as different for FDD, 3.84 Mcps TDD and 1.28 Mcps TDD - Contents of RADIO BEARER SETUP message: AM or UM - Contents of RRC CONNECTION SETUP message: UM
Consequences if not approved:	⌘	The test prose cannot test UE correctly.

Clauses affected:	⌘	Section 9.2
Other specs affected:	⌘	<input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘	T1S-020347 was taken in account

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. Below is a brief summary:

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

9.2 Default Message Contents for RF

This clause contains the default values of common messages for RF test. The parameters of the UL/DL reference measurement channel 12.2kbps and UE test loop mode 1 without 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

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

Contents of Open UE Test Loop message

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

Contents of PAGING TYPE 1 message: TM (CS)

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

Contents of PAGING TYPE 1 message: TM (PS)

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

Contents of RADIO BEARER SETUP message: AM or UM

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"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>200 200 TRUE Not Present</p> <p>2RBMuxOptions 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 6</p> <p>1 FACH Not Present Not Present Not Present</p>
<p>RB information to be affected list 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"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation 	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"> - TFCS complete reconfigure information - CHOICE CTFC Size <ul style="list-style-type: none"> - CTFC information - 2bit CTFC -Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors <ul style="list-style-type: none"> - Reference TFC ID - CHOICE mode - Power offset P_{p-m} -2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors <ul style="list-style-type: none"> - Reference TFC ID - CHOICE mode - Power offset P_{p-m} -2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors <ul style="list-style-type: none"> - Reference TFC ID - CHOICE mode - Power offset P_{p-m} -2bit CTFC - Power offset Information <ul style="list-style-type: none"> - CHOICE Gain Factors <ul style="list-style-type: none"> - Reference TFC ID - CHOICE mode - Gain factor β_c - Gain factor β_d - Reference TFC ID - CHOICE mode - Power offset P_{p-m} 		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"> - 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 <ul style="list-style-type: none"> - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - Transmission Time Interval - Number of Transport blocks <ul style="list-style-type: none"> - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format Information <ul style="list-style-type: none"> - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	A1	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"> - CPCH set ID - 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"> - SCCPCH TFCS - CHOICE mode - CHOICE DL parameters 	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"> - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity 	A1,A3	Not Present 1 DCH 6

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info 		Same as UL DCH 1 -2.0 Not Present
Frequency info Maximum allowed UL TX power CHOICE channel requirement <ul style="list-style-type: none"> - Uplink DPCH power control info - CHOICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode <ul style="list-style-type: none"> - Downlink PDSCH information 	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"> - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - CHOICE mode <ul style="list-style-type: none"> - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF <ul style="list-style-type: none"> - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value 	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"> - Downlink information for each radio link <ul style="list-style-type: none"> - CHOICE mode <ul style="list-style-type: none"> - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL <ul style="list-style-type: none"> - CHOICE mode <ul style="list-style-type: none"> - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code <ul style="list-style-type: none"> - 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,A3	FDD 100 Not Present Not Present FDD Primary CPICH may be used 0 chips 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	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	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"> - RLC info - CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_PDU - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channel info - Number of RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - Signalling RB information to setup - RB identity - CHOICE RLC info type - RLC info 	<ul style="list-style-type: none"> 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 5 2 Configured 2 1 DCH 10 Not Present 2 Not Present 1 RACH Not Present 2 Explicit List Reference to TS34.108 clause 6 Parameter Set 3 1 FACH Not Present Not Present 2 (AM DCCH for NAS_DT High priority) Not Present

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	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	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	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	5
- 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 β_c	15
- Gain factor β_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	SameAasUL
- 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	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P _{Pilot-DPDCH}	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 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	Arbitrarily selects an integer between 0 and 3
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	Set to an arbitrarily selected 32-bits integer
- Message authentication code	Set to an arbitrarily selected integer between 0 and 15
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security 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.
- Ciphering algorithm capability	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.
- UEA0	Spare 2-15 = FALSE
- UEA1	0000000000000010B (UIA1)
- Spare	TRUE
- Integrity protection algorithm capability	Spare 0 and Spare 2-15 = FALSE
- UIA1	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.
- Spare	Start/restart
Ciphering mode info	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 mode command	Not Present
- Ciphering algorithm	1
- Ciphering activation time for DPCH	Current RLC SN+2
- Radio bearer downlink ciphering activation time info	2
- Radio bearer activation time	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
- RB identity	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.
- RLC sequence number	Start
Integrity protection mode info	Not Present
- Integrity protection mode command	UIA1
- Downlink integrity protection activation info	SS selects an arbitrary 32 bits number for FRESH
- Integrity protection algorithm	CS or PS
- Integrity protection initialisation number	Not Checked
CN domain identity	
UE system specific security capability	

9.2.2 Default Message Contents for RF (TDD)

Contents of Activate RB Test Mode message

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

Contents of Close UE Test Loop message

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

Contents of Open UE Test Loop message

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

Contents of PAGING TYPE 1 message: TM (CS)

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

Contents of PAGING TYPE 1 message: TM (PS)

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

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

Information Element	Condition	Value/remark
<u>Message Type</u> <u>RRC transaction identifier</u> <u>Integrity check info</u> <u>- message authentication code</u> <u>- RRC message sequence number</u> <u>Integrity protection mode info</u> <u>Ciphering mode info</u> <u>Activation time</u> <u>New U-RNTI</u> <u>New C-RNTI</u> <u>New DSCH-RNTI</u> <u>RRC State indicator</u> <u>UTRAN DRX cycle length coefficient</u> <u>CN information info</u> <u>URA identity</u> <u>Signalling RB information to setup</u>	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
<u>RAB information for setup list</u> <u>- RAB information for setup</u> <u>- RAB info</u> <u>- RAB identity</u> <u>- CN domain identity</u> <u>- NAS Synchronization Indicator</u> <u>- Re-establishment timer</u> <u>- RB information to setup list</u> <u>- RB information to setup</u> <u>- RB identity</u> <u>- PDCP info</u> <u>- CHOICE RLC info type</u> <u>- CHOICE Uplink RLC mode</u> <u>- Transmission RLC discard</u> <u>- Segmentation indication</u> <u>- CHOICE Downlink RLC mode</u> <u>- Segmentation indication</u> <u>- RB mapping info</u> <u>- Information for each multiplexing option</u> <u>- RLC logical channel mapping indicator</u> <u>- Number of uplink RLC logical channels</u> <u>- Uplink transport channel type</u> <u>- UL Transport channel identity</u> <u>- Logical channel identity</u> <u>- CHOICE RLC size list</u> <u>- MAC logical channel priority</u> <u>- Downlink RLC logical channel info</u> <u>- Number of downlink RLC logical channels</u> <u>- Downlink transport channel type</u> <u>- DL DCH Transport channel identity</u> <u>- DL DSCH Transport channel identity</u> <u>- Logical channel identity</u>	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
<u>RAB information for setup list</u> <u>- RAB information for setup</u> <u>- RAB info</u> <u>- RAB identity</u> <u>- CN domain identity</u> <u>- NAS Synchronization Indicator</u> <u>- Re-establishment timer</u> <u>- RB information to setup list</u> <u>- RB information to setup</u> <u>- RB identity</u>	A3	0000 0101B PS domain Not Present UseT314 20

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>2RBMuxOptions 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 8</p> <p>1 FACH Not Present Not Present Not Present</p>
<ul style="list-style-type: none"> RB information to be affected list Downlink counter synchronisation info 	A1,A3	<p>Not Present Not Present</p>
<ul style="list-style-type: none"> UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS - CHOICE TFCI signalling 	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>

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - <u>TFCI Field 1 information</u> - <u>TFCS complete reconfigure information</u> - <u>CHOICE TFCS Size</u> <ul style="list-style-type: none"> - <u>CTFC information</u> - <u>CHOICE mode</u> - <u>Individual UL CCTrCH information</u> <u>Deleted UL TrCH information list</u>		<u>Number of used bits must be enough to cover all combinations of CTFC from clauses 6.</u> <u>Refer to TS34.108 clause 6 Parameter Set</u> <u>Not Present</u> <u>TDD</u> <u>Not Present</u> <u>Not Present</u>
<u>Added or Reconfigured UL TrCH information list</u> <ul style="list-style-type: none"> - <u>Added or Reconfigured UL TrCH information</u> - <u>Uplink transport channel type</u> - <u>UL Transport channel identity</u> - <u>TFS</u> - <u>CHOICE Transport channel type</u> - <u>Dynamic Transport Format Information</u> - <u>RLC size</u> <ul style="list-style-type: none"> - <u>Number of TBs and TTI List</u> - <u>Transmission Time Interval</u> - <u>Number of Transport blocks</u> <ul style="list-style-type: none"> - <u>Transmission Time Interval</u> - <u>Number of Transport blocks</u> - <u>CHOICE Logical Channel List</u> - <u>Semi-static Transport Format Information</u> - <u>Transmission time interval</u> <ul style="list-style-type: none"> - <u>Type of channel coding</u> <ul style="list-style-type: none"> - <u>Coding Rate</u> <ul style="list-style-type: none"> - <u>Rate matching attribute</u> <ul style="list-style-type: none"> - <u>CRC size</u> 	<u>A1</u>	<u>1</u> <u>DCH</u> <u>1</u> <u>Dedicated transport channels</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>(This IE is repeated for TFI number.)</u> <u>Not Present</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Not Present</u> <u>1</u> <u>ALL</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u> <u>Reference to TS34.108 clause 6.10 Parameter Set</u>
<u>CHOICE mode</u>	<u>A1, A3</u>	<u>TDD (no data)</u>
<u>DL Transport channel information common for all transport channel</u> <ul style="list-style-type: none"> - <u>SCCPCH TFCS</u> - <u>CHOICE mode</u> - <u>CHOICE DL parameters</u> 	<u>A1,A3</u>	<u>Not Present</u> <u>TDD</u> <u>Independent (Refer to TS34.108 clause 6)</u>
<u>Deleted DL TrCH information list</u> <u>Added or Reconfigured DL TrCH information list</u> <ul style="list-style-type: none"> - <u>Added or Reconfigured DL TrCH information</u> - <u>Downlink transport channel type</u> - <u>DL Transport channel identity</u> - <u>CHOICE DL parameters</u> - <u>Uplink transport channel type</u> - <u>UL TrCH identity</u> - <u>DCH quality target</u> - <u>BLER Quality value</u> 	<u>A1,A3</u>	<u>Not Present</u> <u>1</u> <u>DCH</u> <u>6</u> <u>Same as UL</u> <u>DCH</u> <u>1</u> <u>Reference to TS34.108 clause 6</u>
<u>Frequency info</u> <u>Maximum allowed UL TX power</u> <u>CHOICE channel requirement</u> <ul style="list-style-type: none"> - <u>Uplink DPCH power control info</u> - <u>CHOICE mode</u> - <u>UL Target SIR</u> - <u>CHOICE UL OL PC info</u> - <u>CHOICE TDD option</u> - <u>Individual timeslot interference info</u> - <u>Individual timeslot interference</u> - <u>DPCH Constant Value</u> <ul style="list-style-type: none"> - <u>CHOICE mode</u> - <u>Uplink Timing Advance Control</u> - <u>UL CCTrCH List</u> 	<u>A1,A3</u>	<u>Not Present</u> <u>30dBm</u> <u>Uplink DPCH info</u> <u>TDD</u> <u>Reference to TS34.108 Parameter set.</u> <u>Individually signalled</u> <u>3.84 Mcps</u> <u>Values are used for open loop power control, section 8 in TS 25.331</u> <u>TDD</u> <u>Not Present</u>

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - <u>TFCS Id</u> - <u>Time info</u> - <u>Activation time</u> <ul style="list-style-type: none"> - <u>Duration</u> - <u>Common timeslot info</u> <ul style="list-style-type: none"> - <u>2nd interleaving mode</u> - <u>TFCI coding</u> - <u>Puncturing Limit</u> - <u>Repetition Period</u> - <u>Repetition Length</u> - <u>First individual timeslot info</u> <ul style="list-style-type: none"> - <u>Timeslot number</u> - <u>TFCI existence</u> - <u>Midamble shift and burst type</u> <ul style="list-style-type: none"> - <u>CHOICE TDD option</u> - <u>CHOICE Burst Type</u> <ul style="list-style-type: none"> - <u>Type 1</u> - <u>Midamble Allocation Mode</u> - <u>Midamble configuration burst type 1 and 3</u> - <u>First timeslot channelisation codes</u> - <u>Channelisation code</u> - <u>CHOICE more timeslots</u> <p><u>CHOICE Mode</u></p>		<p>1</p> <p><u>(256+CFN-(CFN MOD 8 + 8))MOD 256</u></p> <p><u>Infinite</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>Reference to TS34.108 clause 6.10 Parameter Set</u></p> <p><u>The number of an uplink timeslot that has unassigned codes.</u></p> <p><u>TRUE</u></p> <p><u>3.84 Mcps</u></p> <p><u>Default</u></p> <p><u>As defined in 3GPP TS 25.221</u></p> <p><u>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.</u></p> <p><u>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.</u></p> <p><u>TDD (no data)</u></p>
<p><u>Downlink information common for all radio links</u></p> <ul style="list-style-type: none"> - <u>Downlink DPCH info common for all RL</u> - <u>Timing indicator</u> - <u>CFN-targetSFN frame offset</u> - <u>Downlink DPCH power control information</u> - <u>CHOICE mode</u> - <u>DPC mode</u> - <u>CHOICE TDD mode</u> - <u>Default DPCH Offset Value</u> 	<u>A1,A3</u>	<p><u>Maintain</u></p> <p><u>Not Present</u></p> <p><u>TDD</u></p> <p><u>0 (single)</u></p> <p><u>3.84 Mcps (no data)</u></p> <p><u>Not Present</u></p>
<p><u>Downlink information for per radio link list</u></p> <ul style="list-style-type: none"> - <u>Downlink information for each radio link</u> <ul style="list-style-type: none"> - <u>CHOICE mode</u> - <u>Primary CCPCH info</u> <ul style="list-style-type: none"> - <u>CHOICE SyncCase</u> - <u>Timeslot</u> - <u>Cell parameters ID</u> - <u>SCTD indicator</u> - <u>Downlink DPCH info for each RL</u> <ul style="list-style-type: none"> - <u>CHOICE mode</u> - <u>DL CCTrCH List</u> - <u>TFCS ID</u> - <u>Time info</u> - <u>Activation time</u> - <u>Duration</u> - <u>Common timeslot info</u> <ul style="list-style-type: none"> - <u>2nd interleaving mode</u> - <u>TFCI coding</u> - <u>Puncturing limit</u> - <u>Repetition period</u> 	<u>A1,A3</u>	<p><u>TDD</u></p> <p><u>Sync Case 1</u></p> <p><u>PCCPCH timeslot</u></p> <p><u>0</u></p> <p><u>TDD</u></p> <p>1</p> <p><u>(256+CFN-(CFN mod 8 + 8))mod 256</u></p> <p><u>infinite</u></p> <p><u>Reference to TS34.108</u></p> <p><u>TRUE</u></p> <p><u>Reference to TS34.108 clause 6 Parameter set</u></p> <p>1</p>

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

<u>Condition</u>	<u>Explanation</u>
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
<p><u>Message Type</u> <u>RRC transaction identifier</u> <u>Integrity check info</u></p> <p>_____ - message authentication code _____ - RRC message sequence number</p> <p><u>Integrity protection mode info</u> <u>Ciphering mode info</u> <u>Activation time</u> <u>New U-RNTI</u> <u>New C-RNTI</u> <u>New DSCH-RNTI</u> <u>RRC State indicator</u> <u>UTRAN DRX cycle length coefficient</u> <u>CN information info</u> <u>URA identity</u> <u>Signalling RB information to setup</u></p>	<p><u>A1,A3</u></p>	<p><u>Arbitrarily selects an integer between 0 and 3</u> <u>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.</u> <u>SS calculates the value of MAC-I for this message and writes to this IE.</u> <u>SS provides the value of this IE, from its internal counter.</u> <u>Not Present</u> <u>Not Present</u> <u>(256+CFN-(CFN MOD 8 + 8))MOD 256</u> <u>Not Present</u> <u>Not Present</u> <u>Not Present</u> <u>CELL_DCH</u> <u>Not Present</u> <u>Not Present</u> <u>Not Present</u> <u>Not Present</u></p>
<p><u>RAB information for setup list</u> <u>- RAB information for setup</u> _____ - 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</p>	<p><u>A1</u></p>	<p><u>0000 0001B</u> <u>CS domain</u> <u>Not Present</u> <u>UseT314</u></p> <p><u>10</u> <u>Not Present</u> <u>RLC info</u> <u>TM RLC</u> <u>Not Present</u> <u>FALSE</u> <u>TM RLC</u> <u>FALSE</u></p> <p><u>Not Present</u> <u>1</u> <u>DCH</u> <u>1</u> <u>Not Present</u> <u>Configured</u> <u>7</u></p> <p><u>1</u> <u>DCH</u> <u>6</u> <u>Not Present</u> <u>Not Present</u></p>
<p><u>RAB information for setup list</u> <u>- RAB information for setup</u> _____ - RAB info _____ - RAB identity _____ - CN domain identity _____ - NAS Synchronization Indicator _____ - Re-establishment timer _____ - RB information to setup list _____ - RB information to setup _____ - RB identity</p>	<p><u>A3</u></p>	<p><u>0000 0101B</u> <u>PS domain</u> <u>Not Present</u> <u>UseT314</u></p> <p><u>20</u></p>

<u>Information Element</u>	<u>Condition</u>	<u>Value/remark</u>
<ul style="list-style-type: none"> - PDCP info - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll - Poll_SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink transport channel type - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical 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 		<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>2RBMuxOptions 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 8</p> <p>1 FACH Not Present Not Present Not Present</p>
<ul style="list-style-type: none"> RB information to be affected list Downlink counter synchronisation info 	A1,A3	<p>Not Present Not Present</p>
<ul style="list-style-type: none"> UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS - CHOICE TFCI signalling 	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>

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

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

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

<u>Condition</u>	<u>Explanation</u>
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

<u>Information Element</u>	<u>Value/remark</u>
<p>Message Type</p> <p>U-RNTI</p> <ul style="list-style-type: none"> - SRNC identity - S-RNTI <p>RRC transaction identifier</p> <p>Integrity check info</p> <ul style="list-style-type: none"> - Message authentication code - RRC Message sequence number <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.</p> <p>0000 0000 0001B</p> <p>0000 0000 0000 0000 0001B</p> <p>Arbitrarily selects an integer between 0 and 3</p> <p>The presence of this IE depends on 2 factors:</p> <p>(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.</p> <p>(b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.</p> <p>SS calculates the value of MAC-I for this message and writes to this IE.</p> <p>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).</p> <p>Normal event</p> <p>Not Present</p>

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

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

<u>Information Element</u>	<u>Value/remark</u>
- 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	

<u>Information Element</u>	<u>Value/remark</u>
- 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

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

<u>Information Element</u>	<u>Value/remark</u>
- UL TFCS	
- TFC subset	<u>Default value is the complete existing set of transport format combinations</u>
- Allowed Transport Format combination	<u>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</u> <u>(This IE is repeated for TFC number.)</u>
- PRACH TFCS	<u>Normal</u>
- CHOICE TFCI signalling	
- TFCI Field 1 information	
- TFCS complete reconfigure information	<u>Number of used bits must be enough to cover all combinations of CTFC from clauses 6.</u> <u>Refer to TS34.108 clause 6 Parameter Set</u>
- CHOICE TFCS Size	<u>Not Present</u>
- CTFC information	<u>TDD</u>
- CHOICE mode	<u>Not Present</u>
- Individual UL CCTrCH information	<u>Not Present</u>
Deleted TrCH information list	<u>Not Present</u>
Added or Reconfigured UL TrCH information list	<u>1</u>
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	<u>DCH</u>
- UL Transport channel identity	<u>5</u>
- TFS	
- CHOICE Transport channel type	<u>Dedicated transport channels</u>
- Dynamic Transport Format Information	
- RLC size	<u>According to TS34.108 clause 6</u>
- Number of TBs and TTI List	<u>(This IE is repeated for TFI number)</u>
- CHOICE mode	<u>TDD</u>
- Transmission Time Interval	<u>According to TS34.108 clause 6</u>
- CHOICE Logical channel list	<u>All</u>
- Semi-static Transport Format information	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	<u>Not Present</u>
- CHOICE mode	<u>TDD</u>
- CHOICE DL parameters	<u>Same as UL</u>
Added or Reconfigured DL TrCH information list	<u>1</u>
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	<u>DCH</u>
- DL Transport channel identity	<u>10</u>
- CHOICE DL parameters	<u>Same as UL</u>
- Uplink transport channel type	<u>DCH</u>
- UL TrCH Identity	<u>5</u>
- DCH quality target	
- BLER Quality value	<u>Reference to TS 34.108</u>
Frequency info	<u>Not Present</u>
Maximum allowed UL TX power	<u>Not Present</u>
CHOICE channel requirement	<u>Uplink DPCH info</u>
- Uplink DPCH power control info	
- CHOICE mode	<u>TDD</u>
- CHOICE TDD option	<u>3.84 Mcps</u>
- UL target SIR	<u>Reference to TS34.108 Parameter set</u>
- CHOICE mode	<u>TDD</u>
- CHOICE UL OL PC info	<u>Individually signalled</u>
- CHOICE TDD option	<u>3.84 Mcps</u>
- Individual timeslot interference info	<u>Not Present</u>
- Individual timeslot interference	
- DPCH Constant Value	
- Primary CCPCH Tx Power	<u>Not Present</u>
- Time info	
- Activation time	<u>(256+CFN-(CFN MOD 8 + 8))MOD 256</u>

<u>Information Element</u>	<u>Value/remark</u>
- Duration	Infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
- 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 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE more timeslots	
- 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

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

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

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

<u>Information Element</u>	<u>Value/remark</u>
- 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	

<u>Information Element</u>	<u>Value/remark</u>
- 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

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

<u>Information Element</u>	<u>Value/remark</u>
- UL TFCS	
- TFC subset	<u>Default value is the complete existing set of transport format combinations</u>
- Allowed Transport Format combination	<u>0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)</u> <u>(This IE is repeated for TFC number.)</u>
- PRACH TFCS	<u>Normal</u>
- CHOICE TFCI signalling	
- TFCI Field 1 information	
- TFCS complete reconfigure information	<u>Number of used bits must be enough to cover all combinations of CTFC from clauses 6.</u> <u>Refer to TS34.108 clause 6 Parameter Set</u>
- CHOICE TFCS Size	<u>Not Present</u>
- CTFC information	<u>TDD</u>
- CHOICE mode	<u>Not Present</u>
- Individual UL CCTrCH information	<u>Not Present</u>
Deleted TrCH information list	<u>Not Present</u>
Added or Reconfigured UL TrCH information list	<u>1</u>
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	<u>DCH</u>
- UL Transport channel identity	<u>5</u>
- TFS	
- CHOICE Transport channel type	<u>Dedicated transport channels</u>
- Dynamic Transport Format Information	
- RLC size	<u>According to TS34.108 clause 6</u>
- Number of TBs and TTI List	<u>(This IE is repeated for TFI number)</u>
- CHOICE mode	<u>TDD</u>
- Transmission Time Interval	<u>According to TS34.108 clause 6</u>
- CHOICE Logical channel list	<u>All</u>
- Semi-static Transport Format information	
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	<u>Not Present</u>
- CHOICE mode	<u>TDD</u>
- CHOICE DL parameters	<u>Same as UL</u>
Added or Reconfigured DL TrCH information list	<u>1</u>
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	<u>DCH</u>
- DL Transport channel identity	<u>10</u>
- CHOICE DL parameters	<u>Same as UL</u>
- Uplink transport channel type	<u>DCH</u>
- UL TrCH Identity	<u>5</u>
- DCH quality target	
- BLER Quality value	<u>Reference to TS 34.108</u>
Frequency info	<u>Not Present</u>
Maximum allowed UL TX power	<u>Not Present</u>
CHOICE channel requirement	<u>Uplink DPCH info</u>
- Uplink DPCH power control info	
- CHOICE mode	<u>TDD</u>
- CHOICE TDD option	<u>1.28 Mcps</u>
- PRX _{PDPCHdes}	<u>Reference to TS34.108 Parameter set</u>
- CHOICE mode	<u>TDD</u>
- CHOICE UL OL PC info	<u>Individually signalled</u>
- CHOICE TDD option	<u>1.28 Mcps</u>
- TPC step size	<u>Not Present</u>
- Primary CCPCH Tx Power	<u>Not Present</u>
- Primary CCPCH Tx Power	<u>Not Present</u>
- Time info	
- Activation time	<u>(256+CFN-(CFN MOD 8 + 8))MOD 256</u>

<u>Information Element</u>	<u>Value/remark</u>
- Duration	Infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108 clause 6 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6 Parameter Set
- 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)
<u>Downlink information common for all radio links</u>	
- 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
<u>Downlink information for per radio links list</u>	
-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	$(256+CFN-(CFN \text{ mod } 8 + 8)) \text{ mod } 256$
- Duration	infinite
- Common timeslot info	
- 2 nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- CHOICE more timeslots	
- 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

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

Contents of SECURITY MODE COMMAND message: AM

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