

Source: T1
Title: CR's to TS 34.108 v3.6.0 and v4.1.0 for approval
Agenda item: 5.1.3
Document for: Approval

This document contains 7 CRs to TS 34.108 v3.6.0 and 7 CRs to TS 34.108 v4.1.0. These CRs have been agreed by T1 and are put forward to TSG T for approval.

CRs related to maintenance of R99:

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	082		R99	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	F	3.6.0	3.7.0	T1-020091	
34.108	084		R99	Update of reference radio conditions	F	3.6.0	3.7.0	T1-020097	
34.108	086		R99	Update of system reference configurations and default messages	F	3.6.0	3.7.0	T1-020099	
34.108	088		R99	Corrections to 34108-360	F	3.6.0	3.7.0	T1-020101	
34.108	092		R99	Clarification of bit rate of Interactive/Background PS RAB function	F	3.6.0	3.7.0	T1-020105	
34.108	093		R99	Update of SIBs for TDD mode in TS34.108 (Rel99)	F	3.6.0	3.7.0	T1-020106	

CRs related to maintenance of Rel-4:

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	083		Rel-4	Replacement of Block STTD by Space Code Transmit Diversity (SCTD) (Rel-4)	A	4.1.0	4.2.0	T1-020092	TEI
34.108	085		Rel-4	Update of reference radio conditions (Rel-4)	A	4.1.0	4.2.0	T1-020098	TEI
34.108	087		Rel-4	Update of system reference configurations and default messages (Rel-4)	A	4.1.0	4.2.0	T1-020100	TEI
34.108	089		Rel-4	Corrections to 34108-410	A	4.1.0	4.2.0	T1-020102	TEI
34.108	094		Rel-4	Update of SIBs for TDD (both modes) in TS34.108 (Rel4)	F	4.1.0	4.2.0	T1-020107	TEI, LCRTDD
34.108	095		Rel-4	Clarification of bit rate of Interactive/Background PS RAB function (Rel-4)	A	4.1.0	4.2.0	T1-020184	TEI

CRs presented directly to T due to editorial error in T1-020103 and T1-020104 (agreed by T1):

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	090		R99	Introduction of new Reference RABs (LS from RAN T1-020025)	F	3.6.0	3.7.0	T1-020194	
34.108	091		Rel-4	Introduction of new Reference RABs (Rel-4)	A	4.1.0	4.2.0	T1-020195	TEI

Explanation of change:

For one of the new radio bearer configurations "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" there was an editorial error in the DL parameter "TB size" in clause 6.10.2.4.1.58.2.1.1. The value should be 656 and not 336 (changes marked in blue).

CHANGE REQUEST

⌘ **TS 34.108 CR 082** ⌘ rev **-** ⌘ Current version: **3.6.0** ⌘

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:	⌘ Replacement of Block STTD by Space Code Transmit Diversity (SCTD)		
Source:	⌘ InterDigital Communications Corp.		
Work item code:	⌘	Date:	⌘ 18/02/2002
Category:	⌘ F	Release:	⌘ R99
	Use <u>one</u> of the following categories: F (essential 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: 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:	⌘ Block STTD has been replaced by SCTD in TS25.102. This was approved in TSG-RAN WG4 Mtg #21 in tdoc R4-020373.
Summary of change:	⌘ Block STTD has been deleted and replaced with SCTD.
Consequences if not approved:	⌘ Conformance tests would be inconsistent with core specifications.

Clauses affected:	⌘ 6.1, 6.7.2.2	
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://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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 Simulated network environments

<next changed part>

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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- Block-STD <u>SCTD</u> 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD

- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	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	Addition
- TFCS addition 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(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	FDD
- 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 mode	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<next changed part>

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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- Block-STD -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	(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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)

- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	
- 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	Addition
- TFCS addition 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	FDD
- 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
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<next changed section>

6.7.2.2 Diverse Operation (TDD mode)

The diversity options applied to the DL channels shall be as below for all cells in the simulated network

Physical channel type	Open loop TxDiversity		Closed loop TxDiversity
	TSTD	Block STTDSCTD	
P-CCPCH	–	X	–
SCH	X	–	–
DPCH	–	–	X

<next changed section>

3GPP TSG-T1 Meeting
Sophia Antipolis, France, 18-20 February 2002

Tdoc T1-020195

CR-Form-v4

CHANGE REQUEST

⌘ **34.108** **CR** **091** ⌘ Rev **-** ⌘ Current version: **4.1.0** ⌘

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

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

Title: ⌘ Introduction of new reference RABs

Source: ⌘ Vodafone Limited.

Work item code: ⌘ TEI

Date: ⌘ 19-Feb-2002.

Category: ⌘ **A**

Release: ⌘ REL-4

Use one of the following categories:

Use one of the following releases:

F (correction)

2 (GSM Phase 2)

A (corresponds to a correction in an earlier release)

R96 (Release 1996)

B (addition of feature),

R97 (Release 1997)

C (functional modification of feature)

R98 (Release 1998)

D (editorial modification)

R99 (Release 1999)

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

REL-4 (Release 4)

REL-5 (Release 5)

Reason for change: ⌘ Introduction of additional reference RABs and Signalling RBs

Summary of change: ⌘ Addition of a test case for:

- 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
- 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
- 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

Addition of the following combinations of RABs and signalling RBs:

- 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.
- 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.
- 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.
- Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.

- Interactive or background / UL:32 DL:32 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 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
- 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
- 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
- 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
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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
- 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
- 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
[Editorial correction made in T1-020104r1: for streaming DL:64 kbps the TB size should be 656 not 336]
- 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 • 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	
Consequences if not approved:	⌘		
Clauses affected:	⌘	6.1.1, 6.1.2 and 6.1.3 (new). 6.10.2.2 and 6.10.2.4.1.	
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.

6.1.1 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 PCCH 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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	<u>7 (ASC#2)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#3)</u>
- Available signature End Index	<u>7 (ASC#3)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#4)</u>
- Available signature End Index	<u>7 (ASC#4)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#5)</u>
- Available signature End Index	<u>7 (ASC#5)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#6)</u>
- Available signature End Index	<u>7 (ASC#6)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#7)</u>
- Available signature End Index	<u>7 (ASC#7)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- Persistence scaling factor	<u>0.9 (for ASC#2)</u>
- Persistence scaling factor	<u>0.9 (for ASC#3)</u>
- Persistence scaling factor	<u>0.9 (for ASC#4)</u>
- Persistence scaling factor	<u>0.9 (for ASC#5)</u>
- Persistence scaling factor	<u>0.9 (for ASC#6)</u>
- Persistence scaling factor	<u>0.9 (for ASC#7)</u>
- AC-to-ASC mapping table	
- AC-to-ASC mapping	<u>6 (AC0-9)</u>
- AC-to-ASC mapping	<u>5 (AC10)</u>
- AC-to-ASC mapping	<u>4 (AC11)</u>
- AC-to-ASC mapping	<u>3 (AC12)</u>
- AC-to-ASC mapping	<u>2 (AC13)</u>
- AC-to-ASC mapping	<u>1 (AC14)</u>
- AC-to-ASC mapping	<u>0 (AC15)</u>
- Primary CPICH DL TX power	<u>31</u>
- Constant value	<u>-10</u>
- PRACH power offset	
- Power Ramp Step	<u>3dB</u>
- Preamble Retrans Max	<u>2</u>
- RACH transmission parameters	
- Mmax	<u>2</u>
- NB01min	<u>3 slot</u>
- NB01max	<u>10 slot</u>
- AICH info	
- Channelisation code	<u>3</u>
- STTD indicator	<u>FALSE</u>
- AICH transmission timing	<u>0</u>
- Secondary CCPCH system information	<u>(For 2 SCCPCHs)</u>
- Secondary CCPCH info	<u>(SCCPCH for standalone PCH)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>4</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>FALSE</u>
- Fixed or Flexible position	<u>Fixed</u>
- Timing offset	<u>30</u>
- TFCS	
- Normal	

- TFCI Field 1 information	
- CHOICE TFCS representation	<u>complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	
- TFS	<u>(PCH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	
- RLC Size	<u>240</u>
- Number of TB and TTI List	
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- CHOICE Mode	<u>FDD</u>
- CHOICE Logical Channel List	<u>ALL</u>
- Semi-static Transport Format information	
- Transmission time interval	<u>10 ms</u>
- Type of channel coding	<u>Convolutional</u>
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>230</u>
- CRC size	<u>16 bit</u>
- Transport Channel Identity	<u>12 (for PCH)</u>
- CTCH indicator	<u>FALSE</u>
- PICH info	
- Channelisation code	<u>2</u>
- Number of PI per frame	<u>18</u>
- STTD indicator	<u>FALSE</u>
- Secondary CCPCH info	<u>(SCCPCH including two FACHs)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>64</u>
- Code number	<u>1</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>TRUE</u>
- Fixed or Flexible position	<u>Flexible</u>
- Timing offset	<u>0</u>
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	<u>Complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>4 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>2</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>3</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>4</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>5</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	
- TFS	<u>(FACH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	
- RLC Size	<u>168</u>
- Number of TB and TTI List	
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- Number of Transport blocks	<u>2</u>
- Number of Transport blocks	<u>3</u>

- 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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)

- Assigned Sub-channel Number	'1111'B
- 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	FDD
- ASC Setting	0 (ASC#4)
- CHOICE mode	7 (ASC#4)
- Available signature Start Index	'1111'B
- Available signature End Index	FDD
- Assigned Sub-channel Number	0 (ASC#5)
- ASC Setting	7 (ASC#5)
- CHOICE mode	'1111'B
- Available signature Start Index	FDD
- Available signature End Index	0 (ASC#6)
- Assigned Sub-channel Number	7 (ASC#6)
- ASC Setting	'1111'B
- 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	FDD
- Persistence scaling factor	0 (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	2
- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	0
- Number of Transport blocks	1
- Number of Transport blocks	FDD
- CHOICE Mode	ALL
- CHOICE Logical Channel List	
- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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

6.1.26.1.2 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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	<u>7 (ASC#2)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#3)</u>
- Available signature End Index	<u>7 (ASC#3)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#4)</u>
- Available signature End Index	<u>7 (ASC#4)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#5)</u>
- Available signature End Index	<u>7 (ASC#5)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#6)</u>
- Available signature End Index	<u>7 (ASC#6)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#7)</u>
- Available signature End Index	<u>7 (ASC#7)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- Persistence scaling factor	<u>0.9 (for ASC#2)</u>
- Persistence scaling factor	<u>0.9 (for ASC#3)</u>
- Persistence scaling factor	<u>0.9 (for ASC#4)</u>
- Persistence scaling factor	<u>0.9 (for ASC#5)</u>
- Persistence scaling factor	<u>0.9 (for ASC#6)</u>
- Persistence scaling factor	<u>0.9 (for ASC#7)</u>
- AC-to-ASC mapping table	
- AC-to-ASC mapping	<u>6 (AC0-9)</u>
- AC-to-ASC mapping	<u>5 (AC10)</u>
- AC-to-ASC mapping	<u>4 (AC11)</u>
- AC-to-ASC mapping	<u>3 (AC12)</u>
- AC-to-ASC mapping	<u>2 (AC13)</u>
- AC-to-ASC mapping	<u>1 (AC14)</u>
- AC-to-ASC mapping	<u>0 (AC15)</u>
- Primary CPICH DL TX power	<u>31</u>
- Constant value	<u>-10</u>
- PRACH power offset	
- Power Ramp Step	<u>3dB</u>
- Preamble Retrans Max	<u>2</u>
- RACH transmission parameters	
- Mmax	<u>2</u>
- NB01min	<u>3 slot</u>
- NB01max	<u>10 slot</u>
- AICH info	
- Channelisation code	<u>3</u>
- STTD indicator	<u>FALSE</u>
- AICH transmission timing	<u>0</u>
- Secondary CCPCH system information	<u>(For 2 SCCPCHs)</u>
- Secondary CCPCH info	<u>(SCCPCH for standalone PCH)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>4</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>FALSE</u>
- Fixed or Flexible position	<u>Fixed</u>
- Timing offset	<u>30</u>
- TFCS	
- Normal	

- TFCI Field 1 information	
- CHOICE TFCS representation	<u>complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	
- TFS	<u>(PCH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	
- RLC Size	<u>240</u>
- Number of TB and TTI List	
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- CHOICE Mode	<u>FDD</u>
- CHOICE Logical Channel List	<u>ALL</u>
- Semi-static Transport Format information	
- Transmission time interval	<u>10 ms</u>
- Type of channel coding	<u>Convolutional</u>
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>230</u>
- CRC size	<u>16 bit</u>
- Transport Channel Identity	<u>12 (for PCH)</u>
- CTCH indicator	<u>FALSE</u>
- PICH info	
- Channelisation code	<u>2</u>
- Number of PI per frame	<u>18</u>
- STTD indicator	<u>FALSE</u>
- Secondary CCPCH info	<u>(SCCPCH including two FACHs)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>5</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>TRUE</u>
- Fixed or Flexible position	<u>Flexible</u>
- Timing offset	<u>0</u>
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	<u>complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>2</u>
- Power offset information	<u>Not Present</u>

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

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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)
- Assigned Sub-channel Number	'1111'B

- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#4)
- Available signature Start Index	7 (ASC#4)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#6)
- Available signature Start Index	7 (ASC#6)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	Not present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	2
- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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

6.1.3.3 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	2
- 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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	<u>7 (ASC#2)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#3)</u>
- Available signature End Index	<u>7 (ASC#3)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#4)</u>
- Available signature End Index	<u>7 (ASC#4)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#5)</u>
- Available signature End Index	<u>7 (ASC#5)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#6)</u>
- Available signature End Index	<u>7 (ASC#6)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#7)</u>
- Available signature End Index	<u>7 (ASC#7)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- Persistence scaling factor	<u>0.9 (for ASC#2)</u>
- Persistence scaling factor	<u>0.9 (for ASC#3)</u>
- Persistence scaling factor	<u>0.9 (for ASC#4)</u>
- Persistence scaling factor	<u>0.9 (for ASC#5)</u>
- Persistence scaling factor	<u>0.9 (for ASC#6)</u>
- Persistence scaling factor	<u>0.9 (for ASC#7)</u>
- AC-to-ASC mapping table	
- AC-to-ASC mapping	<u>6 (AC0-9)</u>
- AC-to-ASC mapping	<u>5 (AC10)</u>
- AC-to-ASC mapping	<u>4 (AC11)</u>
- AC-to-ASC mapping	<u>3 (AC12)</u>
- AC-to-ASC mapping	<u>2 (AC13)</u>
- AC-to-ASC mapping	<u>1 (AC14)</u>
- AC-to-ASC mapping	<u>0 (AC15)</u>
- Primary CPICH DL TX power	<u>31</u>
- Constant value	<u>-10</u>
- PRACH power offset	
- Power Ramp Step	<u>3dB</u>
- Preamble Retrans Max	<u>2</u>
- RACH transmission parameters	
- Mmax	<u>2</u>
- NB01min	<u>3 slot</u>
- NB01max	<u>10 slot</u>
- AICH info	
- Channelisation code	<u>3</u>
- STTD indicator	<u>FALSE</u>
- AICH transmission timing	<u>0</u>
- Secondary CCPCH system information	<u>(For 3 SCCPCHs)</u>
- Secondary CCPCH info	<u>(SCCPCH for standalone PCH)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>6</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>FALSE</u>
- Fixed or Flexible position	<u>Fixed</u>
- Timing offset	<u>30</u>
- TFCS	
- Normal	

- TFCI Field 1 information	<u>Complete</u>
- CHOICE TFCS representation	<u>Complete</u>
- TFCS addition information	<u>Complete</u>
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	<u>Not Present</u>
- TFS	<u>(PCH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	<u>Common transport channels</u>
- RLC Size	<u>240</u>
- Number of TB and TTI List	<u>240</u>
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- CHOICE Mode	<u>FDD</u>
- CHOICE Logical Channel List	<u>ALL</u>
- Semi-static Transport Format information	<u>ALL</u>
- Transmission time interval	<u>10 ms</u>
- Type of channel coding	<u>Convolutional</u>
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>230</u>
- CRC size	<u>16 bit</u>
- Transport Channel Identity	<u>12 (for PCH)</u>
- CTCH indicator	<u>FALSE</u>
- PICH info	<u>FALSE</u>
- Channelisation code	<u>2</u>
- Number of PI per frame	<u>18</u>
- STTD indicator	<u>FALSE</u>
- Secondary CCPCH info	<u>(SCCPCH including two FACHs)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>64</u>
- Code number	<u>1</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>TRUE</u>
- Fixed or Flexible position	<u>Flexible</u>
- Timing offset	<u>0</u>
- TFCS	<u>0</u>
- Normal	<u>0</u>
- TFCI Field 1 information	<u>Complete</u>
- CHOICE TFCS representation	<u>Complete</u>
- TFCS addition information	<u>Complete</u>
- CHOICE CTFC Size	<u>4 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>2</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>3</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>3</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>4</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>5</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	<u>Not Present</u>
- TFS	<u>(FACH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	<u>Common transport channels</u>
- RLC Size	<u>168</u>
- Number of TB and TTI List	<u>168</u>
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- Number of Transport blocks	<u>2</u>
- Number of Transport blocks	<u>3</u>

- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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

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

<End of modified section>

<Start of modified section>

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
3a	Conversational	Speech	UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75)	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

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:~~16~~32 DL:~~16~~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

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) ~~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.

<End of modified section>

<Start of modified section>

[6.10.2.4.1.4a](#) [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](#)

[6.10.2.4.1. 4a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1. 4a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 81)	53, 63, 84, 103	60	
	Max data rate, bps	12200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 42, 55, 75, 81)	53, 63, 84, 103	60	
	TFS	TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
		TF1, bits	1x39	1x53	1x60
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x84	N/A
		TF4, bits	1x75	1x103	N/A
		TF5, bits	1x81	N/A	N/A
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	303	333	136	
	Uplink: Max number of bits/radio frame before rate matching	152	167	68	
	RM attribute	180-220	170-210	215-256	
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

[6.10.2.4.1. 4a.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. 4a.1.1.3](#) [TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1. 4a.1.2 Physical channel parameters

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

6.10.2.4.1. 4a.2 Downlink

6.10.2.4.1. 4a.2.1 Transport channel parameters

6.10.2.4.1. 4a.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60	
	Max data rate, bps	12 200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x103	0x60
		TF1, bits	1x39	1x53	1x60
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x84	N/A
		TF4, bits	1x75	1x103	N/A
	TF5, bits	1x81	N/A	N/A	
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	303	333	136	
	RM attribute	180-220	170-210	215-256	
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH. (see clause 4.3 in TS 25.212).					
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

6.10.2.4.1. 4a.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. 4a.2.1.3 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1. 4a.2.2 Physical channel parameters

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

<End of modified section>

<Start of modified section>

[6.10.2.4.1.5a](#) [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](#)

[6.10.2.4.1.5a.1](#) [Uplink](#)

[6.10.2.4.1.5a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.5a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:\(10.2, 6.7, 5.9, 4.75\) kbps / CS RAB](#)

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)	53, 63, 76, 99	40	
	Max data rate, bps	10200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)	53, 63, 76, 99	40	
	TFS	TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
		TF1, bits	1x39	1x53	1x40
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x76	N/A
		TF4, bits	1x58	1x99	N/A
		TF5, bits	1x65	N/A	N/A
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	Uplink: Max number of bits/radio frame before rate matching	128	161	48	
	RM attribute	180-220	170-210	215-256	
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

[6.10.2.4.1.5a.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](#)

[6.10.2.4.1.5a.1.1.3](#) [TFCS](#)

TFCS size	126
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF0, TF0), (TF3, TF2, TF0, TF0), (TF4, TF3, TF0, TF0), (TF5, TF4, TF1, TF0), (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF0, TF1), (TF3, TF2, TF0, TF1), (TF4, TF3, TF0, TF1), (TF5, TF4, TF1, TF1)

6.10.2.4.1.5a.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	64
	Max number of DPDCH data bits/radio frame	600
	Puncturing Limit	0.96

6.10.2.4.1.5a.2 Downlink

6.10.2.4.1.5a.2.1 Transport channel parameters

6.10.2.4.1.5a.2.1.1 Transport channel parameters for Conversational / speech / DL: DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40	
	Max data rate, bps	10 200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x99	0x40
		TF1, bits	1x39	1x53	1x40
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x76	N/A
		TF4, bits	1x58	1x99	N/A
		TF5, bits	1x65	N/A	N/A
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	RM attribute	180-220	170-210	215-256	
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH. (see clause 4.3 in TS 25.212).					
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

6.10.2.4.1.5a.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

6.10.2.4.1.5a~~1~~x.2.1.3 TFCS

TFCS size	12 6
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1.5a.2.2 Physical channel parameters

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

<End of modified section>

<Start of modified section>

[6.10.2.4.1.7a](#) [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](#)

[6.10.2.4.1.7a.1](#) [Uplink](#)

[6.10.2.4.1.7a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.7a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:\(7.4, 6.7, 5.9, 4.75\) kbps / CS RAB](#)

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTCH		
	RLC mode	TM	TM	
	Payload sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87	
	Max data rate, bps	7400		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87	
	TFS	TF0, bits	0x61 (alt. 1x0) (note)	0x87
		TF1, bits	1x39	1x53
		TF2, bits	1x42	1x63
		TF3, bits	1x55	1x76
		TF4, bits	1x58	1x87
		TF5, bits	1x61	N/A
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	243	285	
	Uplink: Max number of bits/radio frame before rate matching	122	143	
RM attribute	180-220	170-210		
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).				

[6.10.2.4.1.7a.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](#)

[6.10.2.4.1.7a.1.1.3](#) [TFCS](#)

TFCS size	12 6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF3, TF2, TF0), (TF4, TF3, TF0), (TF5, TF4, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1), (TF3, TF2, TF1), (TF4, TF3, TF1), (TF5, TF4, TF1)

6.10.2.4.1.7a.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	64
	Max number of DPDCH data bits/radio frame	600
	Puncturing Limit	0.96

6.10.2.4.1.7a.2 Downlink

6.10.2.4.1.7a.2.1 Transport channel parameters

6.10.2.4.1.7a.2.1.1 Transport channel parameters for Conversational / speech / DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTCH		
	RLC mode	TM	TM	
	Payload sizes, bit	0, 39, 42, 55, 58, 61	53, 63, 76, 87	
	Max data rate, bps	7400		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0, 39, 42, 55, 58, 61	53, 63, 76, 87	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x87
		TF1, bits	1x39	1x53
		TF2, bits	1x42	1x63
		TF3, bits	1x55	1x76
		TF4, bits	1x58	1x87
		TF5, bits	1x61	N/A
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
Max number of bits/TTI after channel coding	243	285		
RM attribute	180-220	170-210		
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH. (see clause 4.3 in TS 25.212).				
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB #1 (see clause 4.2.1.1 in TS 25.212.).				

6.10.2.4.1.7a.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

6.10.2.4.1.7a.2.1.3 TFCS

TFCS size	12 6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF3, TF2, TF0), (TF4, TF3, TF0), (TF5, TF4, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1), (TF3, TF2, TF1), (TF4, TF3, TF1), (TF5, TF4, TF1)

6.10.2.4.1.7a.2.2 Physical channel parameters

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

<End of modified section>

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[6.10.2.4.1.23a](#) [Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23a.1](#) [Uplink](#)

[6.10.2.4.1.23a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23a.1.1.1](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

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

[6.10.2.4.1.23a.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.1.1.1](#).

[6.10.2.4.1.23a.1.1.3](#) [TFCS](#)

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

[6.10.2.4.1.23a.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1.23a.2 Downlink](#)

[6.10.2.4.1.23a.2.1 Transport channel parameters](#)

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

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

[6.10.2.4.1.23a.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23a.2.1.3 TFCS](#)

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

[6.10.2.4.1.23a.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.23b](#) [Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23b.1](#) [Uplink](#)

[6.10.2.4.1.23b.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23b.1.1.1](#) [Transport channel parameters for Interactive or background / UL:16 kbps / PS RAB](#)

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

[6.10.2.4.1.23b.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.](#)

[6.10.2.4.1.23b.1.1.3](#) [TFCS](#)

TFCS size	6
TFCS	(16 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

[6.10.2.4.1.23b.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1.23b.2 Downlink](#)

[6.10.2.4.1.23b.2.1 Transport channel parameters](#)

[6.10.2.4.1.23b.2.1.1 Transport channel parameters for Interactive or background / DL:16 kbps / PS RAB](#)

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

[6.10.2.4.1.23b.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23b.2.1.3 TFCS](#)

TFCS size	6
TFCS	(16 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

[6.10.2.4.1.23b.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.23c](#) [Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23c.1](#) [Uplink](#)

[6.10.2.4.1.23c.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23c.1.1.1](#) [Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	3x336
		TF4, bits	4x336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
Uplink: Max number of bits/radio frame before rate matching	1059		
RM attribute	135-175		

[6.10.2.4.1.23c.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](#).

[6.10.2.4.1.23c.1.1.3](#) [TFCS](#)

TFCS size	10
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1.23c.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.96

[6.10.2.4.1.23c.2 Downlink](#)

[6.10.2.4.1.23c.2.1 Transport channel parameters](#)

[6.10.2.4.1.23c.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	3x336
		TF4, bits	4x336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	RM attribute	135-175	

[6.10.2.4.1.23c.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23c.2.1.3 TFCS](#)

TFCS size	10
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1.23c.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
	Spreading factor	64	
	DPCCH	Number of TFCl bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
Number of data bits/frame		900	

[6.10.2.4.1.23d](#) [Interactive or background / UL:32 DL:32 kbps / PS RAB \(20 ms TTI\)+ UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23d.1](#) [Uplink](#)

[6.10.2.4.1.23d.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23d.1.1.1](#) [Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	Uplink: Max number of bits/radio frame before rate matching	1062	
RM attribute	135-175		

[6.10.2.4.1.23d.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.1.1.1](#).

[6.10.2.4.1.23d.1.1.3](#) [TFCS](#)

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

[6.10.2.4.1.23d.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.96

[6.10.2.4.1.23d.2 Downlink](#)

[6.10.2.4.1.23d.2.1 Transport channel parameters](#)

[6.10.2.4.1.23d.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	RM attribute	135-175	

[6.10.2.4.1.23d.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23d.2.1.3 TFCS](#)

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

[6.10.2.4.1.23d.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
	Spreading factor	64	
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
		Number of data bits/frame	900

<End of modified section>

<Start of modified section>

[6.10.2.4.1.38a](#) [Conversational / speech / 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](#)

[6.10.2.4.1.38a.1](#) [Uplink](#)

[6.10.2.4.1.38a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB](#)

[See clause 6.10.2.4.1.4.1.1.1.](#)

[6.10.2.4.1.38a.1.1.2](#) [Transport channel parameters for Interactive or background / UL:0 kbps / PS RAB](#)

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	0
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TTI, ms	20
	Coding type	CC
	CRC, bit	16
	Max number of bits/TTI after channel coding	0
	Uplink: Max number of bits/radio frame before rate matching	0
	RM attribute	130-170

[6.10.2.4.1.38a.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.](#)

[6.10.2.4.1.38a.1.1.4](#) [TFCS](#)

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1)

[6.10.2.4.1.38a.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1. 38a.2 Downlink](#)

[6.10.2.4.1. 38a.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38a.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. 38a.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	0	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
	TTI, ms		20
	Coding type		CC
	CRC, bit		16
	Max number of bits/TTI after channel coding		0
	RM attribute		130-170

[6.10.2.4.1. 38a.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. 38a.2.1.4 TFCS](#)

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1)

[6.10.2.4.1. 38a.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.38b](#) [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](#)

[6.10.2.4.1.38b.1](#) [Uplink](#)

[6.10.2.4.1.38b.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38b.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB](#)

[See clause 6.10.2.4.1.4.1.1.1.](#)

[6.10.2.4.1.38b.1.1.2](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

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

[6.10.2.4.1.38b.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.](#)

[6.10.2.4.1.38b.1.1.4](#) [TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,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)

[6.10.2.4.1.38b.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1.38b.2 Downlink](#)

[6.10.2.4.1.38b.2.1 Transport channel parameters](#)

[6.10.2.4.1.38b.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](#).

[6.10.2.4.1.38b.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB](#)

Higher Layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068	
	RM attribute	135-175	

[6.10.2.4.1.38b.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](#).

[6.10.2.4.1.38b.2.1.4 TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,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)

[6.10.2.4.1.38b.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
DPCCH	Spreading factor	64	
	Number of bits/slot	8	
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
Number of data bits/frame		900	

[6.10.2.4.1.38c](#) [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](#)

[6.10.2.4.1.38c.1](#) [Uplink](#)

[6.10.2.4.1.38c.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38c.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB](#)

[See clause 6.10.2.4.1.4.1.1.1.](#)

[6.10.2.4.1.38c.1.1.2](#) [Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

[See clause 6.2.4.1.23c.1.1.1.](#)

[6.10.2.4.1.38c.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.](#)

[6.10.2.4.1.38c.1.1.4](#) [TFCS](#)

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 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,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)

[6.10.2.4.1.38c.1.2](#) [Physical channel parameters](#)

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	1.0

[6.10.2.4.1.38c.2](#) [Downlink](#)

[6.10.2.4.1.38c.2.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38c.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.](#)

[6.10.2.4.1.38c.2.1.2](#) [Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

[See clause 6.2.4.1.23c.2.1.1.](#)

[6.10.2.4.1.38c.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. 38c.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 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,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)

6.10.2.4.1. 38c.2.2 Physical channel parameters

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

6.10.2.4.1.38d 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

6.10.2.4.1. 38d.1 Uplink

6.10.2.4.1. 38d.1.1 Transport channel parameters

6.10.2.4.1. 38d.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB

See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1. 38d.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB + UL:64 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	64000	64000	
	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	
		TF3, bits	3x340	
		TF4, bits	4x340	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
	Uplink: Max number of bits/radio frame before rate matching	2142		
RM attribute	130-170			

6.10.2.4.1. 38d.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. 38d.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 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,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)

6.10.2.4.1. 38d.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.88

[6.10.2.4.1. 38d.2 Downlink](#)

[6.10.2.4.1. 38d.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38d.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. 38d.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB + DL:64 kbps / PS RAB](#)

Higher Layer	RAB/Signalling RB		RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	64000	64000	
	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	0x340	0x340	
		1x340	1x340	
		2x340	2x340	
		3x340	3x340	
		4x340	4x340	
	TTL, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTL after channel coding	4284		
RM attribute	130-170			

[6.10.2.4.1. 38d.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. 38d.2.1.4 TFCS](#)

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 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,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)

6.10.2.4.1. 38d.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	

6.10.2.4.1.38e Conversational / speech / (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

6.10.2.4.1. 38e.1 Uplink

6.10.2.4.1. 38e.1.1 Transport channel parameters

6.10.2.4.1. 38e.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1. 38e.1.1.2 Transport channel parameters for Interactive or background / UL:0 kbps / PS RAB

See clause 6.10.2.4.1.38a.1.1.2.

6.10.2.4.1. 38e.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. 38e.1.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1)

6.10.2.4.1. 38e.1.2 Physical channel parameters

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

6.10.2.4.1. 38e.2 Downlink

6.10.2.4.1. 38e.2.1 Transport channel parameters

6.10.2.4.1. 38e.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

[6.10.2.4.1. 38e.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB](#)

[See clause 6.10.2.4.1.38a.2.1.2](#)

[6.10.2.4.1. 38e.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.2.1.1](#)

[6.10.2.4.1. 38e.2.1.4 TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1),

[6.10.2.4.1. 38e.2.2 Physical channel parameters](#)

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

[6.10.2.4.1. 38f Conversational / speech / \(12.2 7.95 5.9 4.75\) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1. 38f.1 Uplink](#)

[6.10.2.4.1. 38f.1.1 Transport channel parameters](#)

[6.10.2.4.1. 38f.1.1.1 Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.1.1.1.](#)

[6.10.2.4.1. 38f.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1. 38b.1.1.1.](#)

[6.10.2.4.1. 38f.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

6.10.2.4.1. 38f.1.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1. 38f.1.2 Physical channel parameters

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

6.10.2.4.1. 38f.2 Downlink

6.10.2.4.1. 38f.2.1 Transport channel parameters

6.10.2.4.1. 38f.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

6.10.2.4.1. 38f.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1

6.10.2.4.1. 38f.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1. 38f.2.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1. 38f.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		64
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
Number of data bits/frame		900	

6.10.2.4.1. 38g Conversational / speech / (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

6.10.2.4.1. 38g.1 Uplink

6.10.2.4.1. 38g.1.1 Transport channel parameters

6.10.2.4.1. 38g.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.1.1.1.

6.10.2.4.1. 38g.1.1.2 Transport channel parameters for Interactive or background / UL:16 kbps / PS RAB

See clause 6.10.2.4.1. 23b.1.1.1.

6.10.2.4.1. 38g.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. 38g.1.1.4 TFCS

TFCS size	32
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 16 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1)

6.10.2.4.1. 38g.1.2 Physical channel parameters

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

[6.10.2.4.1. 38g.2 Downlink](#)

[6.10.2.4.1. 38g.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38g.2.1.1 Transport channel parameters for Conversational / speech / DL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.2.1.1.](#)

[6.10.2.4.1. 38g.2.1.2 Transport channel parameters for Interactive or background / DL:16 kbps / PS RAB](#)

[See clause 6.10.2.4.1.23b.2.1.1.](#)

[6.10.2.4.1. 38g.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. 38g.2.1.4 TFCS](#)

TFCS size	36
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 16 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1)

[6.10.2.4.1. 38g.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
	Spreading factor	64	
	DPCCH	Number of TFCl bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
		Number of data bits/frame	900

[6.10.2.4.1. 38h Conversational / speech / \(12.2 7.95 5.9 4.75\) kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1. 38h.1 Uplink](#)

[6.10.2.4.1. 38h.1.1 Transport channel parameters](#)

[6.10.2.4.1. 38h.1.1.1 Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.1.1.1.](#)

[6.10.2.4.1. 38h.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

[See clause 6.10.2.4.1.23c.1.1.1.](#)

[6.10.2.4.1. 38h.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. 38h.1.1.4 TFCS](#)

TFCS size	32
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF5,TF4,TF1,TF0,TF0), (TF5,TF4,TF1,TF1,TF0), (TF5,TF4,TF1,TF2,TF0), (TF5,TF4,TF1,TF4,TF0), (TF4,TF3,TF0,TF0,TF0), (TF4,TF3,TF0,TF1,TF0), (TF3,TF2,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF0,TF0,TF0,TF4,TF1), (TF5,TF4,TF1,TF0,TF1), (TF5,TF4,TF1,TF1,TF1), (TF5,TF4,TF1,TF2,TF1), (TF5,TF4,TF1,TF4,TF1), (TF4,TF3,TF0,TF0,TF1), (TF4,TF3,TF0,TF1,TF1), (TF3,TF2,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF4,TF1)

[6.10.2.4.1. 38h.1.2 Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	1.0

[6.10.2.4.1. 38h.2 Downlink](#)

[6.10.2.4.1. 38h.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38h.2.1.1 Transport channel parameters for Conversational / speech / DL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1.4a.2.1.1.](#)

[6.10.2.4.1. 38h.2.1.2 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

[See clause 6.10.2.4.1.23c.2.1.1.](#)

[6.10.2.4.1. 38h.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. 38h.2.1.4 TFCS

TFCS size	48
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF5,TF4,TF1,TF0,TF0), (TF5,TF4,TF1,TF1,TF0), (TF5,TF4,TF1,TF2,TF0), (TF5,TF4,TF1,TF4,TF0), (TF4,TF3,TF0,TF0,TF0), (TF4,TF3,TF0,TF1,TF0), (TF4,TF3,TF0,TF2,TF0), (TF4,TF3,TF0,TF4,TF0), (TF3,TF2,TF0,TF0,TF0), (TF3,TF2,TF0,TF1,TF0), (TF3,TF2,TF0,TF2,TF0), (TF3,TF2,TF0,TF4,TF0), (TF2,TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF1,TF0), (TF2,TF1,TF0,TF2,TF0), (TF2,TF1,TF0,TF4,TF0), (TF1,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF0,TF0,TF0,TF4,TF1), (TF5,TF4,TF1,TF0,TF1), (TF5,TF4,TF1,TF1,TF1), (TF5,TF4,TF1,TF2,TF1), (TF5,TF4,TF1,TF4,TF1), (TF4,TF3,TF0,TF0,TF1), (TF4,TF3,TF0,TF1,TF1), (TF4,TF3,TF0,TF2,TF1), (TF4,TF3,TF0,TF4,TF1), (TF3,TF2,TF0,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF3,TF2,TF0,TF2,TF1), (TF3,TF2,TF0,TF4,TF1), (TF2,TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1,TF1), (TF2,TF1,TF0,TF2,TF1), (TF2,TF1,TF0,TF4,TF1), (TF1,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF4,TF1)

6.10.2.4.1. 38h.2.2 Physical channel parameters

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

6.10.2.4.1. 38i [Conversational / speech / \(12.2 7.95 5.9 4.75\) kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

6.10.2.4.1. 38i.1 Uplink

6.10.2.4.1. 38i.1.1 Transport channel parameters

6.10.2.4.1. 38i.1.1.1 [Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

See clause 6.10.2.4.1. 4a.1.1.1.

6.10.2.4.1. 38i.1.1.2 [Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB](#)

See clause 6.10.2.4.1.24.1.1.1.

6.10.2.4.1. 38i.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. 38i.1.1.4 TFCS

TFCS size	4860
TFCS	<p>(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)</p>

6.10.2.4.1. 38i.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. 38i.2 Downlink

6.10.2.4.1. 38i.2.1 Transport channel parameters

6.10.2.4.1. 38i.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

6.10.2.4.1. 38i.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.2.4.1.25.2.1.1.

6.10.2.4.1. 38i.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. 38i.2.1.4 TFCS

TFCS size	60
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1. 38i.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. 38j Conversational / speech / (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

6.10.2.4.1. 38j.1 Uplink

6.10.2.4.1. 38j.1.1 Transport channel parameters

See clause 6.10.2.4.1.38i.1.1

6.10.2.4.1. 38j.2 Downlink

6.10.2.4.1. 38j.2.1 Transport channel parameters

6.10.2.4.1. 38j.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

6.10.2.4.1. 38j.2.1.2 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. 38j.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. 38j.2.1.4 TFCS

TFCS size	60
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,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1. 38j.2.2 Physical channel parameters

DPCH Downlink	DTX position	Flexible	
	Spreading factor	16	
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	288
Number of data bits/frame		4320	

<End of modified section>

<Start of modified section>

[6.10.2.4.1.51a Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.51a.1 Uplink](#)

[6.10.2.4.1. 51a.1.1 Transport channel parameters](#)

[6.10.2.4.1. 51a.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB](#)

[See clause 6.10.2.4.1.13.2.1.1.](#)

[6.10.2.4.1. 51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1.37.1.1.1.](#)

[6.10.2.4.1. 51a.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

[6.10.2.4.1. 51a.1.1.4 TFCS](#)

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

[6.10.2.4.1. 51a.1.2 Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.88

[6.10.2.4.1. 51a.2 Downlink](#)

[6.10.2.4.1. 51a.2.1 Transport channel parameters](#)

[6.10.2.4.1. 51a.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / PS RAB](#)

[See clause 6.10.2.4.1.13.2.1.1.](#)

[6.10.2.4.1. 51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1.38b.2.1.1.](#)

[6.10.2.4.1. 51a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.2.1.1.](#)

[6.10.2.4.1. 51a.2.1.4 TFCS](#)

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

[6.10.2.4.1. 51a.2.2 Physical channel parameters](#)

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

~~[6.10.2.4.1.51b](#) Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~

~~[6.10.2.4.1. 51b.1](#) Uplink~~

~~[6.10.2.4.1. 51b.1.1](#) Transport channel parameters~~

~~[6.10.2.4.1. 51b.1.1.1](#) Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB~~

~~[See clause 6.10.2.4.1.23b.1.1.1.](#)~~

~~[6.10.2.4.1. 51b.1.1.2](#) Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB~~

~~[See clause 6.10.2.4.1.38b.1.1.1.](#)~~

~~[6.10.2.4.1. 51b.1.1.3](#) Transport channel parameters for UL:3.4 kbps SRBs for DCCH~~

~~[See clause 6.10.2.4.1.2.1.1.1.](#)~~

6.10.2.4.1. 51b.1.1.4 TFCS

<u>TFCS size</u>	<u>12</u>
<u>TFCS</u>	<u>(16 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1)</u>

6.10.2.4.1. 51b.1.2 Physical channel parameters

<u>DPCH Uplink</u>	<u>Min spreading factor</u>	<u>32</u>
	<u>Max number of DPDCH data bits/radio frame</u>	<u>2400</u>
	<u>Puncturing Limit</u>	<u>1.0</u>

6.10.2.4.1. 51b.2 Downlink6.10.2.4.1. 51b.2.1 Transport channel parameters6.10.2.4.1. 51b.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RABSee clause 6.10.2.4.1.58.2.1.1.6.10.2.4.1. 51b.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RABSee clause 6.10.2.4.1.38b.2.1.1.6.10.2.4.1. 51b.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCHSee clause 6.10.2.4.1.2.2.1.1.6.10.2.4.1. 51b.2.1.4 TFCS

<u>TFCS size</u>	<u>16</u>
<u>TFCS</u>	<u>(64 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)</u>

6.10.2.4.1.51b.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	

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

6.10.2.4.1.51b.1 Uplink

6.10.2.4.1.51b.1.1 Transport channel parameters

6.10.2.4.1.x.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.1.1.1.

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51b.1.1.4 TFCS

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

[6.10.2.4.1.51b.1.2 Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.80

[6.10.2.4.1.51b.2 Downlink](#)

[See clause 6.10.2.4.1.51.2.](#)

<End of modified section>

<Start of modified section>

[6.10.2.4.1.56](#) [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](#)

[6.10.2.4.1.56.1](#) [Uplink](#)

[6.10.2.4.1.56.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.56.1.1.1](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB + UL:8 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	8000	8000	
	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	
	TTI, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	1080		
	Uplink: Max number of bits/radio frame before rate matching	270		
RM attribute	135-175			

[6.10.2.4.1.56.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.1.1.1](#).

[6.10.2.4.1.56.1.1.3](#) ~~TFCS~~

TFCS size	4
TFCS	(648 kbps RAB + 648 kbps RAB, DCCH) = (TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

[6.10.2.4.1.56.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1. 56.2 Downlink](#)

[6.10.2.4.1. 56.2.1 Transport channel parameters](#)

[6.10.2.4.1. 56.2.1.1 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB + DL:8 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	8000	8000	
	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	
	TTL, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTL after channel coding	1080		
	RM attribute	135-175		

[6.10.2.4.1. 56.2.1.2 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. 56.2.1.3 TFCS](#)

TFCS size	4
TFCS	(6 48 kbps RAB + 6 48 kbps RAB, DCCH) = (TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

[6.10.2.4.1. 56.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.57](#) [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](#)

[6.10.2.4.1.57.1](#) [Uplink](#)

[6.10.2.4.1.57.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.57.1.1.1](#) [Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB + UL:64 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	64000	64000	
	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	
		TF3, bits	3x340	
		TF4, bits	4x340	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
Uplink: Max number of bits/radio frame before rate matching	2142			
RM attribute	130-170			

[6.10.2.4.1.57.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

[6.10.2.4.1.57.1.1.3](#) [TFCS](#)

TFCS size	10
TFCS	(64 kbps RAB + 64 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1.57.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.92

[6.10.2.4.1. 57.2 Downlink](#)

[6.10.2.4.1. 57.2.1 Transport channel parameters](#)

[6.10.2.4.1. 57.2.1.1 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB + DL:64 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	64000	64000	
	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	0x340	0x340	
		1x340	1x340	
		2x340	2x340	
		3x340	3x340	
		4x340	4x340	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
RM attribute	130-170			

[6.10.2.4.1. 57.2.1.2 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. 57.2.1.3 TFCS](#)

TFCS size	10
TFCS	(64 kbps RAB + 64 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1. 57.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.58](#) [Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.58.1](#) [Uplink](#)

[6.10.2.4.1.58.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.58.1.1.1](#) [Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	16000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068	
	Uplink: Max number of bits/radio frame before rate matching	534	
	RM attribute	135-175	

[See clause 6.10.2.4.1.23b.1.1.1.](#)

[6.10.2.4.1.58.1.1.2](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1.38b.1.1.1.](#)

[6.10.2.4.1.58.1.1.3](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

[6.10.2.4.1.58.1.1.4](#) [TFCS](#)

TFCS size	842
TFCS	(16 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1)

[6.10.2.4.1.58.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	1.0

6.10.2.4.1. 58.2 Downlink

6.10.2.4.1. 58.2.1 Transport channel parameters

6.10.2.4.1. 58.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	640 320	
	Max data rate, bps	64000	
	AM PDU header, bit ???	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	656 336	
	TFS	TF0, bits	0x656 336
		TF1, bits	12x656 336
		TF2, bits	24x656 336
		TF3, bits	48x656 336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	8076 8460	
RM attribute	125-165		

6.10.2.4.1. 58.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1.

6.10.2.4.1. 58.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1. 58.2.1.4 TFCS

TFCS size	16
TFCS	(64 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)

6.10.2.4.1. 58.2.2 Physical channel parameters

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

<End of modified section>

<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, 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 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	RAB		
Higher layer	User of Radio Bearer	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	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
Higher layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC	
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

6.10.2.4.3.3 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, 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

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

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

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

6.10.2.4.3.4.1.3 TFCS

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

[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

<End of modified section>

CR-Form-v4

CHANGE REQUEST

⌘ **34.108** **CR** **090** ⌘ ev **-** ⌘ Current version: **3.6.0** ⌘

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: ⌘ Introduction of new reference RABs

Source: ⌘ TSG-RAN WG1 and TSG-RAN WG2

Work item code: ⌘ TEI

Date: ⌘ 2002-02-06

Category: ⌘ **F**

Release: ⌘ R99

Use one of the following categories:

Use one of the following releases:

F (correction)

2 (GSM Phase 2)

A (corresponds to a correction in an earlier release)

R96 (Release 1996)

B (addition of feature),

R97 (Release 1997)

C (functional modification of feature)

R98 (Release 1998)

D (editorial modification)

R99 (Release 1999)

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

REL-4 (Release 4)

REL-5 (Release 5)

Reason for change: ⌘ Introduction of additional reference RABs and Signalling RBs

Summary of change: ⌘ Addition of a test case for:

- 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
- 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
- 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

Addition of the following combinations of RABs and signalling RBs:

- 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.
- 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.
- 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.
- Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.

- Interactive or background / UL:32 DL:32 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 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
- 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
- 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
- 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
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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
- 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
- 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
[Editorial correction made in T1-020103r1: for streaming DL:64 kbps the TB size should be 656 not 336]
- 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 • 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
Consequences if not approved:	⌘	

Clauses affected:	⌘	6.10.2.2 and 6.10.2.4.1									
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:	⌘										

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 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.

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.
- MCC digit	Set to the same Mobile Network Codes stored in the test USIM card.
- 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	1
- Scheduling	
- SEG_COUNT	2
- SIB_REP	16
- SIB_POS	2
- SIB_POS offset info	
- SIB_OFF	2
- SIB type	Scheduling Block 1
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	10
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 1
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	2
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	14
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 2
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	2
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	6

- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 3
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	38
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 4

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	3
- SIB_REP	128
- SIB_POS	42
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- 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 Scheduling Block 1 (TDD)

- 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	3
- SIB_REP	128
- SIB_POS	42
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- 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	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	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 1 (supported PLMN type is GSM-MAP)

- CN common GSM-MAP NAS system information	
- GSM-MAP NAS system information	00 80
- CN domain system information	
- CN domain identity	PS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	1E 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in idle mode	
-T300	4000 milliseconds
-N300	7
-T312	10 seconds
- N312	200
- 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	20
- T314	20 seconds
- T315	30 seconds
- N315	200
- T316	50 seconds
- T317	1800 seconds

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	For conformance testing in Japan, this IE is omitted. For conformance testing in European countries, this IE is present with the following values.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	Not Present
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Qhyst1s	0 dB
- Qhyst2s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	33dBm
- 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	CPICH RSCP
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	For conformance testing in Japan, this IE is omitted. For conformance testing in European countries, this IE is present with the following values.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,SsearchRAT	Not Present
- Qrxlevmin	-115 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	For conformance testing in Japan, this IE is omitted. For conformance testing in European countries, this IE is present with the following values.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- S _{limit,SearchRAT}	Not Present
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Qhyst1s	0 dB
- Qhyst2s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	33dBm
- 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	CPICH RSCP
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	For conformance testing in Japan, this IE is omitted. For conformance testing in European countries, this IE is present with the following values
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- S _{limit,SsearchRAT}	Not Present
- Qrxlevmin	-115 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	
- TX Diversity indicator	FALSE
- 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	100
- 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
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	7 (ASC#2)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#4)
- Available signature End Index	7 (ASC#4)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#6)
- Available signature End Index	7 (ASC#6)
- Assigned Sub-channel Number	'1111'B
- 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	2
- 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	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	complete
- CHOICE TFCS representation	complete
- TFCS addition information	complete
- 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
- CTFC information	10
- 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
- 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
- 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
- Block STTD 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1

- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	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	
- TFCS addition information	Addition
- 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(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	FDD
- 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
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- 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	
- TX Diversity indicator	FALSE
- 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	100
- 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	(This IE is repeated for TFI number)
- 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
- 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	-5 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#4)
- Available signature End Index	7 (ASC#4)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#6)
- Available signature End Index	7 (ASC#6)
- Assigned Sub-channel Number	'1111'B
- 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	Not Present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	2
- 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	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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
- 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
- CTFC information	10
- 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
- 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	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
- Block STTD 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	(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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)

- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	
- 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	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	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	(This IE is repeated for TFI number.)
- 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	12 (for PCH)
- CTCH indicator	FALSE
- 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	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	FDD
- 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	
- CHOICE <i>mode</i>	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2

- CBS DRX Level 1 information	Not Present
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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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference clause 6.1 Default settings for cell
- 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	33 dBm
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Cell for measurement	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- Measurement quantity	CPICH RSCP
- Intra-frequency reporting quantity for RACH Reporting	
- SFN-SFN observed time difference	No report
- Reporting quantity	No report
- Maximum number of reported cells on RACH	
- Maximum number of reported cells	No report
- 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	FALSE
- 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	1a
- Parameters required for each event	Active set cells and monitored set cells
- Intra-frequency event identity	5dB
- Triggering condition	Not Present
- Reporting Range	1.0
- Cells forbidden to affect Reporting range	3
- W	Not Present
- Reporting deactivation threshold	Infinity
- Replacement activation threshold	4000
- Amount of reporting	0.0
- Reporting interval	640
- Reporting cell status	Report cell within active set and/or monitored set cells on used frequency
- Hysteresis	3
- Time to trigger	Not Present
- CHOICE reported cell	Not Present
- 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 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	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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False
- 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
- 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	
- SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- 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	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 monitored set cells	
- SFN-SFN observed time difference reporting indicator	No report
- Cell synchronisation information reporting indicator	FALSE
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposal TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Measurement reporting mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting Mode	Event trigger
- 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
- Threshold used frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- 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	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- Intra-frequency cell id	0

- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference clause 6.1 Default settings for cell
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset _{s,n}	0 dB
- Qoffset _{2s,n}	Not Present
- Maximum allowed UL TX power	33dBm
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Cell for measurement	Not Present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- Measurement quantity	CPICH RSCP
- Intra-frequency reporting quantity for RACH Reporting	
-SFN-SFN observed time difference	No report
- Reporting quantity	No report
- Maximum number of reported cells on RACH	
- Maximum number of reported cells	No report
- 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	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 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	
- Intra-frequency event identity	1a
- Triggering condition	Active set cells and monitored set cells
- Reporting Range	5dB
- Cells forbidden to affect reporting range	Not Present
- W	1.0
- Reporting deactivation threshold	3
- Replacement activation threshold	Not Present
- Amount of reporting	Infinity
- Reporting interval	0
- Hysteresis	0.0
- Time to trigger	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	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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False
- 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
- Burst type	
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH Reporting	
-SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- 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	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 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	
- 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
- Threshold used frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- 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 (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

Default settings for cell No.1 (FDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CPICH info - Primary scrambling code	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 100
--	---

Default settings for cell No.1 (TDD):

Downlink input level Uplink output power PCCPCH/PCPICH carrier number Cell Channel Description - Primary CCPCH info - Cell parameters ID	Reference clause 6.10 Parameter Set Minimum supported by the UE's power class. Reference clause 6.10 Parameter Set 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 URA identity	0000 0000 0000 0000 0000 0000 0010B 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
--	---

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
---	---

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
-------------------------------	---

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
---	---

Default Radio Conditions for Multi-Cell Environment (FDD)

In the event that a multi-cell environment is applied by the System Simulator, the following transmission parameters shall be used unless otherwise stated in the description of individual test case.

Table 6.1.1 Default radio conditions

Parameter	Unit	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6
UTRA RF Channel Number		Ch. 1	Ch. 1	Ch. 1	Ch. 2	Ch. 2	Ch. 2
CPICH RSCP	dBm	-72	-72	-72	-72	-72	-72

Table 6.1.2 Default radio conditions in Idle mode

Parameter	Unit	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6
CPICH_Ec/Ior	dB	-10	-10	-10	-10	-10	-10
PCCPCH_Ec/Ior	dB	-12	-12	-12	-12	-12	-12
SCCPCH_Ec/Ior	dB	-12	-12	-12	-12	-12	-12
AICH_Ec/Ior	dB	-15	-15	-15	-15	-15	-15
SCH_Ec/Ior	dB	-12	-12	-12	-12	-12	-12
PICH_Ec/Ior	dB	-15	-15	-15	-15	-15	-15
DPCH_Ec/Ior	dB	-∞	-∞	-∞	-∞	-∞	-∞
UE_TXPWR_MAX_RACH	dBm	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE

Table 6.1.3 Default radio conditions in Connected mode

Parameter	Unit	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6
CPICH_Ec/Ior	dB	-10	-10	-10	-10	-10	-10
PCCPCH_Ec/Ior	dB	-12	-12	-12	-12	-12	-12
SCCPCH_Ec/Ior	dB	-12	-12	-12	-12	-12	-12
AICH_Ec/Ior	dB	-15	-15	-15	-15	-15	-15
SCH_Ec/Ior	dB	-12	-12	-12	-12	-12	-12
PICH_Ec/Ior	dB	-15	-15	-15	-15	-15	-15
DPCH ₁ _Ec/Ior (Note1)	dB	- 15	- 15	- 15	- 15	- 15	- 15
UE_TXPWR_MAX_RACH	dBm	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE	Max. RF Output of UE

NOTE: In all test case executions, both DPCH₁ and DPCH₂ will be transmitted by SS in the downlink direction. However, only DPCH₁ will be signalled to the UE (i.e. using messages like RRC CONNECTION SETUP, PHYSICAL CHANNEL RECONFIGURATION etc.). The presence of DPCH₂ will not be signalled to the UE, it should act as dummy channel for absorbing the unused power of each cell.

Default Radio Conditions for Multi-Cell Environment (TDD)

<FFS>

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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	<u>7 (ASC#2)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#3)</u>
- Available signature End Index	<u>7 (ASC#3)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#4)</u>
- Available signature End Index	<u>7 (ASC#4)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#5)</u>
- Available signature End Index	<u>7 (ASC#5)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#6)</u>
- Available signature End Index	<u>7 (ASC#6)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#7)</u>
- Available signature End Index	<u>7 (ASC#7)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- Persistence scaling factor	<u>0.9 (for ASC#2)</u>
- Persistence scaling factor	<u>0.9 (for ASC#3)</u>
- Persistence scaling factor	<u>0.9 (for ASC#4)</u>
- Persistence scaling factor	<u>0.9 (for ASC#5)</u>
- Persistence scaling factor	<u>0.9 (for ASC#6)</u>
- Persistence scaling factor	<u>0.9 (for ASC#7)</u>
- AC-to-ASC mapping table	
- AC-to-ASC mapping	<u>6 (AC0-9)</u>
- AC-to-ASC mapping	<u>5 (AC10)</u>
- AC-to-ASC mapping	<u>4 (AC11)</u>
- AC-to-ASC mapping	<u>3 (AC12)</u>
- AC-to-ASC mapping	<u>2 (AC13)</u>
- AC-to-ASC mapping	<u>1 (AC14)</u>
- AC-to-ASC mapping	<u>0 (AC15)</u>
- Primary CPICH DL TX power	<u>31</u>
- Constant value	<u>-10</u>
- PRACH power offset	
- Power Ramp Step	<u>3dB</u>
- Preamble Retrans Max	<u>2</u>
- RACH transmission parameters	
- Mmax	<u>2</u>
- NB01min	<u>3 slot</u>
- NB01max	<u>10 slot</u>
- AICH info	
- Channelisation code	<u>3</u>
- STTD indicator	<u>FALSE</u>
- AICH transmission timing	<u>0</u>
- Secondary CCPCH system information	<u>(For 2 SCCPCHs)</u>
- Secondary CCPCH info	<u>(SCCPCH for standalone PCH)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>4</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>FALSE</u>
- Fixed or Flexible position	<u>Fixed</u>
- Timing offset	<u>30</u>
- TFCS	
- Normal	

- TFCI Field 1 information	
- CHOICE TFCS representation	<u>complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	
- TFS	<u>(PCH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	
- RLC Size	<u>240</u>
- Number of TB and TTI List	
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- CHOICE Mode	<u>FDD</u>
- CHOICE Logical Channel List	<u>ALL</u>
- Semi-static Transport Format information	
- Transmission time interval	<u>10 ms</u>
- Type of channel coding	<u>Convolutional</u>
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>230</u>
- CRC size	<u>16 bit</u>
- Transport Channel Identity	<u>12 (for PCH)</u>
- CTCH indicator	<u>FALSE</u>
- PICH info	
- Channelisation code	<u>2</u>
- Number of PI per frame	<u>18</u>
- STTD indicator	<u>FALSE</u>
- Secondary CCPCH info	<u>(SCCPCH including two FACHs)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>64</u>
- Code number	<u>1</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>TRUE</u>
- Fixed or Flexible position	<u>Flexible</u>
- Timing offset	<u>0</u>
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	<u>Complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>4 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>2</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>3</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>4</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>5</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	
- TFS	<u>(FACH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	
- RLC Size	<u>168</u>
- Number of TB and TTI List	
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- Number of Transport blocks	<u>2</u>
- Number of Transport blocks	<u>3</u>

- 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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)

- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#4)
- Available signature End Index	7 (ASC#4)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#6)
- Available signature End Index	7 (ASC#6)
- Assigned Sub-channel Number	'1111'B
- 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	2
- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	0
- Number of Transport blocks	1
- Number of Transport blocks	FDD
- CHOICE Mode	ALL
- CHOICE Logical Channel List	
- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	<u>7 (ASC#2)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#3)</u>
- Available signature End Index	<u>7 (ASC#3)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#4)</u>
- Available signature End Index	<u>7 (ASC#4)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#5)</u>
- Available signature End Index	<u>7 (ASC#5)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#6)</u>
- Available signature End Index	<u>7 (ASC#6)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#7)</u>
- Available signature End Index	<u>7 (ASC#7)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- Persistence scaling factor	<u>0.9 (for ASC#2)</u>
- Persistence scaling factor	<u>0.9 (for ASC#3)</u>
- Persistence scaling factor	<u>0.9 (for ASC#4)</u>
- Persistence scaling factor	<u>0.9 (for ASC#5)</u>
- Persistence scaling factor	<u>0.9 (for ASC#6)</u>
- Persistence scaling factor	<u>0.9 (for ASC#7)</u>
- AC-to-ASC mapping table	
- AC-to-ASC mapping	<u>6 (AC0-9)</u>
- AC-to-ASC mapping	<u>5 (AC10)</u>
- AC-to-ASC mapping	<u>4 (AC11)</u>
- AC-to-ASC mapping	<u>3 (AC12)</u>
- AC-to-ASC mapping	<u>2 (AC13)</u>
- AC-to-ASC mapping	<u>1 (AC14)</u>
- AC-to-ASC mapping	<u>0 (AC15)</u>
- Primary CPICH DL TX power	<u>31</u>
- Constant value	<u>-10</u>
- PRACH power offset	
- Power Ramp Step	<u>3dB</u>
- Preamble Retrans Max	<u>2</u>
- RACH transmission parameters	
- Mmax	<u>2</u>
- NB01min	<u>3 slot</u>
- NB01max	<u>10 slot</u>
- AICH info	
- Channelisation code	<u>3</u>
- STTD indicator	<u>FALSE</u>
- AICH transmission timing	<u>0</u>
- Secondary CCPCH system information	<u>(For 2 SCCPCHs)</u>
- Secondary CCPCH info	<u>(SCCPCH for standalone PCH)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>4</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>FALSE</u>
- Fixed or Flexible position	<u>Fixed</u>
- Timing offset	<u>30</u>
- TFCS	
- Normal	

- TFCI Field 1 information	
- CHOICE TFCS representation	<u>complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	
- TFS	<u>(PCH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	
- RLC Size	<u>240</u>
- Number of TB and TTI List	
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- CHOICE Mode	<u>FDD</u>
- CHOICE Logical Channel List	<u>ALL</u>
- Semi-static Transport Format information	
- Transmission time interval	<u>10 ms</u>
- Type of channel coding	<u>Convolutional</u>
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>230</u>
- CRC size	<u>16 bit</u>
- Transport Channel Identity	<u>12 (for PCH)</u>
- CTCH indicator	<u>FALSE</u>
- PICH info	
- Channelisation code	<u>2</u>
- Number of PI per frame	<u>18</u>
- STTD indicator	<u>FALSE</u>
- Secondary CCPCH info	<u>(SCCPCH including two FACHs)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>5</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>TRUE</u>
- Fixed or Flexible position	<u>Flexible</u>
- Timing offset	<u>0</u>
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	<u>complete</u>
- TFCS addition information	
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>2</u>
- Power offset information	<u>Not Present</u>

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

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- PICH Power offset	5 dB
- Primary CCPCH info	
- TX Diversity indicator	FALSE
- 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	
- TFCS 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)
- Assigned Sub-channel Number	'1111'B

- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#4)
- Available signature Start Index	7 (ASC#4)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#6)
- Available signature Start Index	7 (ASC#6)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	Not present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	2
- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	2
- 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	
- TX Diversity indicator	FALSE
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)

- Available signature End Index	<u>7 (ASC#2)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#3)</u>
- Available signature End Index	<u>7 (ASC#3)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#4)</u>
- Available signature End Index	<u>7 (ASC#4)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#5)</u>
- Available signature End Index	<u>7 (ASC#5)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#6)</u>
- Available signature End Index	<u>7 (ASC#6)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- ASC Setting	
- CHOICE mode	<u>FDD</u>
- Available signature Start Index	<u>0 (ASC#7)</u>
- Available signature End Index	<u>7 (ASC#7)</u>
- Assigned Sub-channel Number	<u>'1111'B</u>
- Persistence scaling factor	<u>0.9 (for ASC#2)</u>
- Persistence scaling factor	<u>0.9 (for ASC#3)</u>
- Persistence scaling factor	<u>0.9 (for ASC#4)</u>
- Persistence scaling factor	<u>0.9 (for ASC#5)</u>
- Persistence scaling factor	<u>0.9 (for ASC#6)</u>
- Persistence scaling factor	<u>0.9 (for ASC#7)</u>
- AC-to-ASC mapping table	
- AC-to-ASC mapping	<u>6 (AC0-9)</u>
- AC-to-ASC mapping	<u>5 (AC10)</u>
- AC-to-ASC mapping	<u>4 (AC11)</u>
- AC-to-ASC mapping	<u>3 (AC12)</u>
- AC-to-ASC mapping	<u>2 (AC13)</u>
- AC-to-ASC mapping	<u>1 (AC14)</u>
- AC-to-ASC mapping	<u>0 (AC15)</u>
- Primary CPICH DL TX power	<u>31</u>
- Constant value	<u>-10</u>
- PRACH power offset	
- Power Ramp Step	<u>3dB</u>
- Preamble Retrans Max	<u>2</u>
- RACH transmission parameters	
- Mmax	<u>2</u>
- NB01min	<u>3 slot</u>
- NB01max	<u>10 slot</u>
- AICH info	
- Channelisation code	<u>3</u>
- STTD indicator	<u>FALSE</u>
- AICH transmission timing	<u>0</u>
- Secondary CCPCH system information	<u>(For 3 SCCPCHs)</u>
- Secondary CCPCH info	<u>(SCCPCH for standalone PCH)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>128</u>
- Code number	<u>6</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>FALSE</u>
- Fixed or Flexible position	<u>Fixed</u>
- Timing offset	<u>30</u>
- TFCS	
- Normal	

- TFCI Field 1 information	<u>Complete</u>
- CHOICE TFCS representation	<u>Complete</u>
- TFCS addition information	<u>Complete</u>
- CHOICE CTFC Size	<u>2 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	<u>Not Present</u>
- TFS	<u>(PCH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	<u>Common transport channels</u>
- RLC Size	<u>240</u>
- Number of TB and TTI List	<u>240</u>
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- CHOICE Mode	<u>FDD</u>
- CHOICE Logical Channel List	<u>ALL</u>
- Semi-static Transport Format information	<u>ALL</u>
- Transmission time interval	<u>10 ms</u>
- Type of channel coding	<u>Convolutional</u>
- Coding Rate	<u>1/2</u>
- Rate matching attribute	<u>230</u>
- CRC size	<u>16 bit</u>
- Transport Channel Identity	<u>12 (for PCH)</u>
- CTCH indicator	<u>FALSE</u>
- PICH info	<u>FALSE</u>
- Channelisation code	<u>2</u>
- Number of PI per frame	<u>18</u>
- STTD indicator	<u>FALSE</u>
- Secondary CCPCH info	<u>(SCCPCH including two FACHs)</u>
- Primary CPICH usage for channel estimation	<u>Primary CPICH may be used</u>
- Secondary CPICH info	<u>Not Present</u>
- Secondary scrambling code	<u>Not Present</u>
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>64</u>
- Code number	<u>1</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	<u>TRUE</u>
- Fixed or Flexible position	<u>Flexible</u>
- Timing offset	<u>0</u>
- TFCS	<u>0</u>
- Normal	<u>0</u>
- TFCI Field 1 information	<u>Complete</u>
- CHOICE TFCS representation	<u>Complete</u>
- TFCS addition information	<u>Complete</u>
- CHOICE CTFC Size	<u>4 bit</u>
- CTFC information	<u>0</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>1</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>2</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>3</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>3</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>4</u>
- Power offset information	<u>Not Present</u>
- CTFC information	<u>5</u>
- Power offset information	<u>Not Present</u>
- FACH/PCH information	<u>Not Present</u>
- TFS	<u>(FACH)</u>
- CHOICE Transport channel type	<u>Common transport channels</u>
- Dynamic Transport format information	<u>Common transport channels</u>
- RLC Size	<u>168</u>
- Number of TB and TTI List	<u>168</u>
- Number of Transport blocks	<u>0</u>
- Number of Transport blocks	<u>1</u>
- Number of Transport blocks	<u>2</u>
- Number of Transport blocks	<u>3</u>

- 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)
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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

<End of modified section>

<Start of modified section>

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
3a	Conversational	Speech	UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75)	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

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:~~16~~32 DL:~~16~~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

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) ~~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.

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[6.10.2.4.1.4a](#) [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](#)

[6.10.2.4.1. 4a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1. 4a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 81)	53, 63, 84, 103	60	
	Max data rate, bps	12200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 42, 55, 75, 81)	53, 63, 84, 103	60	
	TFS	TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
		TF1, bits	1x39	1x53	1x60
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x84	N/A
		TF4, bits	1x75	1x103	N/A
		TF5, bits	1x81	N/A	N/A
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	303	333	136	
	Uplink: Max number of bits/radio frame before rate matching	152	167	68	
	RM attribute	180-220	170-210	215-256	
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

[6.10.2.4.1. 4a.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. 4a.1.1.3](#) [TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1. 4a.1.2 Physical channel parameters

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

6.10.2.4.1. 4a.2 Downlink

6.10.2.4.1. 4a.2.1 Transport channel parameters

6.10.2.4.1. 4a.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60	
	Max data rate, bps	12 200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x103	0x60
		TF1, bits	1x39	1x53	1x60
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x84	N/A
		TF4, bits	1x75	1x103	N/A
	TF5, bits	1x81	N/A	N/A	
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	303	333	136	
	RM attribute	180-220	170-210	215-256	
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH. (see clause 4.3 in TS 25.212).					
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

6.10.2.4.1. 4a.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. 4a.2.1.3 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1. 4a.2.2 Physical channel parameters

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

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[6.10.2.4.1.5a](#) [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](#)

[6.10.2.4.1.5a.1](#) [Uplink](#)

[6.10.2.4.1.5a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.5a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:\(10.2, 6.7, 5.9, 4.75\) kbps / CS RAB](#)

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)	53, 63, 76, 99	40	
	Max data rate, bps	10200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)	53, 63, 76, 99	40	
	TFS	TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
		TF1, bits	1x39	1x53	1x40
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x76	N/A
		TF4, bits	1x58	1x99	N/A
		TF5, bits	1x65	N/A	N/A
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	Uplink: Max number of bits/radio frame before rate matching	128	161	48	
	RM attribute	180-220	170-210	215-256	
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

[6.10.2.4.1.5a.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](#)

[6.10.2.4.1.5a.1.1.3](#) [TFCS](#)

TFCS size	126
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF0, TF0), (TF3, TF2, TF0, TF0), (TF4, TF3, TF0, TF0), (TF5, TF4, TF1, TF0), (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF0, TF1), (TF3, TF2, TF0, TF1), (TF4, TF3, TF0, TF1), (TF5, TF4, TF1, TF1)

6.10.2.4.1.5a.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	64
	Max number of DPDCH data bits/radio frame	600
	Puncturing Limit	0.96

6.10.2.4.1.5a.2 Downlink

6.10.2.4.1.5a.2.1 Transport channel parameters

6.10.2.4.1.5a.2.1.1 Transport channel parameters for Conversational / speech / DL: DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type	DTCH			
	RLC mode	TM	TM	TM	
	Payload sizes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40	
	Max data rate, bps	10 200			
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing	N/A			
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x99	0x40
		TF1, bits	1x39	1x53	1x40
		TF2, bits	1x42	1x63	N/A
		TF3, bits	1x55	1x76	N/A
		TF4, bits	1x58	1x99	N/A
		TF5, bits	1x65	N/A	N/A
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	RM attribute	180-220	170-210	215-256	
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH. (see clause 4.3 in TS 25.212).					
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).					

6.10.2.4.1.5a.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

6.10.2.4.1.5a~~1~~⁴.2.1.3 TFCS

TFCS size	12 6
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1.5a.2.2 Physical channel parameters

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

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[6.10.2.4.1.7a](#) [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](#)

[6.10.2.4.1.7a.1](#) [Uplink](#)

[6.10.2.4.1.7a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.7a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:\(7.4, 6.7, 5.9, 4.75\) kbps / CS RAB](#)

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTCH		
	RLC mode	TM	TM	
	Payload sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87	
	Max data rate, bps	7400		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87	
	TFS	TF0, bits	0x61 (alt. 1x0) (note)	0x87
		TF1, bits	1x39	1x53
		TF2, bits	1x42	1x63
		TF3, bits	1x55	1x76
		TF4, bits	1x58	1x87
		TF5, bits	1x61	N/A
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	243	285	
	Uplink: Max number of bits/radio frame before rate matching	122	143	
RM attribute	180-220	170-210		
NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).				

[6.10.2.4.1.7a.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](#)

[6.10.2.4.1.7a.1.1.3](#) [TFCS](#)

TFCS size	12 6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF3, TF2, TF0), (TF4, TF3, TF0), (TF5, TF4, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1), (TF3, TF2, TF1), (TF4, TF3, TF1), (TF5, TF4, TF1)

6.10.2.4.1.7a.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	64
	Max number of DPDCH data bits/radio frame	600
	Puncturing Limit	0.96

6.10.2.4.1.7a.2 Downlink

6.10.2.4.1.7a.2.1 Transport channel parameters

6.10.2.4.1.7a.2.1.1 Transport channel parameters for Conversational / speech / DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTCH		
	RLC mode	TM	TM	
	Payload sizes, bit	0, 39, 42, 55, 58, 61	53, 63, 76, 87	
	Max data rate, bps	7400		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0, 39, 42, 55, 58, 61	53, 63, 76, 87	
	TFS (note 1)	TF0, bits	1x0 (note 2)	0x87
		TF1, bits	1x39	1x53
		TF2, bits	1x42	1x63
		TF3, bits	1x55	1x76
		TF4, bits	1x58	1x87
		TF5, bits	1x61	N/A
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
Max number of bits/TTI after channel coding	243	285		
RM attribute	180-220	170-210		
NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH. (see clause 4.3 in TS 25.212).				
NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB #1 (see clause 4.2.1.1 in TS 25.212.).				

6.10.2.4.1.7a.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

6.10.2.4.1.7a.2.1.3 TFCS

TFCS size	12 6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF3, TF2, TF0), (TF4, TF3, TF0), (TF5, TF4, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1), (TF3, TF2, TF1), (TF4, TF3, TF1), (TF5, TF4, TF1)

6.10.2.4.1.7a.2.2 Physical channel parameters

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

<End of modified section>

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[6.10.2.4.1.23a](#) [Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23a.1](#) [Uplink](#)

[6.10.2.4.1.23a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23a.1.1.1](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

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

[6.10.2.4.1.23a.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.1.1.1](#).

[6.10.2.4.1.23a.1.1.3](#) [TFCS](#)

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

[6.10.2.4.1.23a.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1.23a.2 Downlink](#)

[6.10.2.4.1.23a.2.1 Transport channel parameters](#)

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

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

[6.10.2.4.1.23a.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23a.2.1.3 TFCS](#)

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

[6.10.2.4.1.23a.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.23b](#) [Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23b.1](#) [Uplink](#)

[6.10.2.4.1.23b.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23b.1.1.1](#) [Transport channel parameters for Interactive or background / UL:16 kbps / PS RAB](#)

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

[6.10.2.4.1.23b.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](#).

[6.10.2.4.1.23b.1.1.3](#) [TFCS](#)

TFCS size	6
TFCS	(16 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

[6.10.2.4.1.23b.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1.23b.2 Downlink](#)

[6.10.2.4.1.23b.2.1 Transport channel parameters](#)

[6.10.2.4.1.23b.2.1.1 Transport channel parameters for Interactive or background / DL:16 kbps / PS RAB](#)

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

[6.10.2.4.1.23b.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23b.2.1.3 TFCS](#)

TFCS size	6
TFCS	(16 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

[6.10.2.4.1.23b.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.23c](#) [Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23c.1](#) [Uplink](#)

[6.10.2.4.1.23c.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23c.1.1.1](#) [Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	3x336
		TF4, bits	4x336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
Uplink: Max number of bits/radio frame before rate matching	1059		
RM attribute	135-175		

[6.10.2.4.1.23c.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](#).

[6.10.2.4.1.23c.1.1.3](#) [TFCS](#)

TFCS size	10
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1.23c.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.96

[6.10.2.4.1.23c.2 Downlink](#)

[6.10.2.4.1.23c.2.1 Transport channel parameters](#)

[6.10.2.4.1.23c.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	3x336
		TF4, bits	4x336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
RM attribute	135-175		

[6.10.2.4.1.23c.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23c.2.1.3 TFCS](#)

TFCS size	10
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1.23c.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
	Spreading factor	64	
	DPCCH	Number of TFCl bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
Number of data bits/frame		900	

[6.10.2.4.1.23d](#) [Interactive or background / UL:32 DL:32 kbps / PS RAB \(20 ms TTI\)+ UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.23d.1](#) [Uplink](#)

[6.10.2.4.1.23d.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.23d.1.1.1](#) [Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	Uplink: Max number of bits/radio frame before rate matching	1062	
RM attribute	135-175		

[6.10.2.4.1.23d.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.1.1.1](#).

[6.10.2.4.1.23d.1.1.3](#) [TFCS](#)

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

[6.10.2.4.1.23d.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.96

[6.10.2.4.1.23d.2 Downlink](#)

[6.10.2.4.1.23d.2.1 Transport channel parameters](#)

[6.10.2.4.1.23d.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124	
	RM attribute	135-175	

[6.10.2.4.1.23d.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.2.1.1](#).

[6.10.2.4.1.23d.2.1.3 TFCS](#)

TFCS size	6
TFCS	(32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

[6.10.2.4.1.23d.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
	Spreading factor	64	
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
		Number of data bits/frame	900

<End of modified section>

<Start of modified section>

[6.10.2.4.1.38a](#) [Conversational / speech / 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](#)

[6.10.2.4.1.38a.1](#) [Uplink](#)

[6.10.2.4.1.38a.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38a.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB](#)

[See clause 6.10.2.4.1.4.1.1.1.](#)

[6.10.2.4.1.38a.1.1.2](#) [Transport channel parameters for Interactive or background / UL:0 kbps / PS RAB](#)

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	0
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TTI, ms	20
	Coding type	CC
	CRC, bit	16
	Max number of bits/TTI after channel coding	0
	Uplink: Max number of bits/radio frame before rate matching	0
	RM attribute	130-170

[6.10.2.4.1.38a.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.](#)

[6.10.2.4.1.38a.1.1.4](#) [TFCS](#)

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1)

[6.10.2.4.1.38a.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1. 38a.2 Downlink](#)

[6.10.2.4.1. 38a.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38a.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. 38a.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	0	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
	TTI, ms		20
	Coding type		CC
	CRC, bit		16
	Max number of bits/TTI after channel coding		0
	RM attribute		130-170

[6.10.2.4.1. 38a.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. 38a.2.1.4 TFCS](#)

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1)

[6.10.2.4.1. 38a.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.38b](#) [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](#)

[6.10.2.4.1.38b.1](#) [Uplink](#)

[6.10.2.4.1.38b.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38b.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB](#)

[See clause 6.10.2.4.1.4.1.1.1.](#)

[6.10.2.4.1.38b.1.1.2](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

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

[6.10.2.4.1.38b.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.](#)

[6.10.2.4.1.38b.1.1.4](#) [TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,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)

[6.10.2.4.1.38b.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1.38b.2 Downlink](#)

[6.10.2.4.1.38b.2.1 Transport channel parameters](#)

[6.10.2.4.1.38b.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](#).

[6.10.2.4.1.38b.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB](#)

Higher Layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	8000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068	
	RM attribute	135-175	

[6.10.2.4.1.38b.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](#).

[6.10.2.4.1.38b.2.1.4 TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,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)

[6.10.2.4.1.38b.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
DPCCH	Spreading factor	64	
	Number of bits/slot	8	
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
Number of data bits/frame		900	

[6.10.2.4.1.38c](#) [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](#)

[6.10.2.4.1.38c.1](#) [Uplink](#)

[6.10.2.4.1.38c.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38c.1.1.1](#) [Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB](#)

[See clause 6.10.2.4.1.4.1.1.1.](#)

[6.10.2.4.1.38c.1.1.2](#) [Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

[See clause 6.2.4.1.23c.1.1.1.](#)

[6.10.2.4.1.38c.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.](#)

[6.10.2.4.1.38c.1.1.4](#) [TFCS](#)

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 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,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)

[6.10.2.4.1.38c.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	1.0

[6.10.2.4.1.38c.2](#) [Downlink](#)

[6.10.2.4.1.38c.2.1](#) [Transport channel parameters](#)

[6.10.2.4.1.38c.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.](#)

[6.10.2.4.1.38c.2.1.2](#) [Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

[See clause 6.2.4.1.23c.2.1.1.](#)

[6.10.2.4.1.38c.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. 38c.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 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,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)

6.10.2.4.1. 38c.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

6.10.2.4.1.38d [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](#)

6.10.2.4.1. 38d.1 Uplink

6.10.2.4.1. 38d.1.1 Transport channel parameters

6.10.2.4.1. 38d.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB

[See clause 6.10.2.4.1.4.1.1.1.](#)

6.10.2.4.1. 38d.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB + UL:64 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	64000	64000	
	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	
		TF3, bits	3x340	
		TF4, bits	4x340	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
	Uplink: Max number of bits/radio frame before rate matching	2142		
RM attribute	130-170			

6.10.2.4.1. 38d.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. 38d.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 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,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)

6.10.2.4.1. 38d.1.2 Physical channel parameters

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.88

[6.10.2.4.1. 38d.2 Downlink](#)

[6.10.2.4.1. 38d.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38d.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. 38d.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB + DL:64 kbps / PS RAB](#)

Higher Layer	RAB/Signalling RB		RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	64000	64000	
	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	0x340	0x340	
		1x340	1x340	
		2x340	2x340	
		3x340	3x340	
		4x340	4x340	
	TTL, ms	20		
	Coding type	TC		
	CRC, bit	16		
Max number of bits/TTL after channel coding	4284			
RM attribute	130-170			

[6.10.2.4.1. 38d.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. 38d.2.1.4 TFCS](#)

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 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,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)

6.10.2.4.1. 38d.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	

6.10.2.4.1.38e Conversational / speech / (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

6.10.2.4.1. 38e.1 Uplink

6.10.2.4.1. 38e.1.1 Transport channel parameters

6.10.2.4.1. 38e.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1. 38e.1.1.2 Transport channel parameters for Interactive or background / UL:0 kbps / PS RAB

See clause 6.10.2.4.1.38a.1.1.2.

6.10.2.4.1. 38e.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. 38e.1.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1)

6.10.2.4.1. 38e.1.2 Physical channel parameters

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

6.10.2.4.1. 38e.2 Downlink

6.10.2.4.1. 38e.2.1 Transport channel parameters

6.10.2.4.1. 38e.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

[6.10.2.4.1. 38e.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB](#)

[See clause 6.10.2.4.1.38a.2.1.2](#)

[6.10.2.4.1. 38e.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.2.1.1](#)

[6.10.2.4.1. 38e.2.1.4 TFCS](#)

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1),

[6.10.2.4.1. 38e.2.2 Physical channel parameters](#)

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

[6.10.2.4.1. 38f Conversational / speech / \(12.2 7.95 5.9 4.75\) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1. 38f.1 Uplink](#)

[6.10.2.4.1. 38f.1.1 Transport channel parameters](#)

[6.10.2.4.1. 38f.1.1.1 Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.1.1.1.](#)

[6.10.2.4.1. 38f.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1. 38b.1.1.1.](#)

[6.10.2.4.1. 38f.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

6.10.2.4.1. 38f.1.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1. 38f.1.2 Physical channel parameters

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

6.10.2.4.1. 38f.2 Downlink

6.10.2.4.1. 38f.2.1 Transport channel parameters

6.10.2.4.1. 38f.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

6.10.2.4.1. 38f.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1

6.10.2.4.1. 38f.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1. 38f.2.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1. 38f.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		64
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
Number of data bits/frame		900	

6.10.2.4.1. 38g Conversational / speech / (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

6.10.2.4.1. 38g.1 Uplink

6.10.2.4.1. 38g.1.1 Transport channel parameters

6.10.2.4.1. 38g.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.1.1.1.

6.10.2.4.1. 38g.1.1.2 Transport channel parameters for Interactive or background / UL:16 kbps / PS RAB

See clause 6.10.2.4.1. 23b.1.1.1.

6.10.2.4.1. 38g.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. 38g.1.1.4 TFCS

TFCS size	32
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 16 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1)

6.10.2.4.1. 38g.1.2 Physical channel parameters

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

[6.10.2.4.1. 38g.2 Downlink](#)

[6.10.2.4.1. 38g.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38g.2.1.1 Transport channel parameters for Conversational / speech / DL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.2.1.1.](#)

[6.10.2.4.1. 38g.2.1.2 Transport channel parameters for Interactive or background / DL:16 kbps / PS RAB](#)

[See clause 6.10.2.4.1.23b.2.1.1.](#)

[6.10.2.4.1. 38g.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. 38g.2.1.4 TFCS](#)

TFCS size	36
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 16 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1)

[6.10.2.4.1. 38g.2.2 Physical channel parameters](#)

DPCH Downlink	DTX position	Flexible	
	Spreading factor	64	
	DPCCH	Number of TFCl bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	60
		Number of data bits/frame	900

[6.10.2.4.1. 38h Conversational / speech / \(12.2 7.95 5.9 4.75\) kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1. 38h.1 Uplink](#)

[6.10.2.4.1. 38h.1.1 Transport channel parameters](#)

[6.10.2.4.1. 38h.1.1.1 Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.1.1.1.](#)

[6.10.2.4.1. 38h.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB](#)

[See clause 6.10.2.4.1.23c.1.1.1.](#)

[6.10.2.4.1. 38h.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. 38h.1.1.4 TFCS](#)

TFCS size	32
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF5,TF4,TF1,TF0,TF0), (TF5,TF4,TF1,TF1,TF0), (TF5,TF4,TF1,TF2,TF0), (TF5,TF4,TF1,TF4,TF0), (TF4,TF3,TF0,TF0,TF0), (TF4,TF3,TF0,TF1,TF0), (TF3,TF2,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF0,TF0,TF0,TF4,TF1), (TF5,TF4,TF1,TF0,TF1), (TF5,TF4,TF1,TF1,TF1), (TF5,TF4,TF1,TF2,TF1), (TF5,TF4,TF1,TF4,TF1), (TF4,TF3,TF0,TF0,TF1), (TF4,TF3,TF0,TF1,TF1), (TF3,TF2,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF4,TF1)

[6.10.2.4.1. 38h.1.2 Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	1.0

[6.10.2.4.1. 38h.2 Downlink](#)

[6.10.2.4.1. 38h.2.1 Transport channel parameters](#)

[6.10.2.4.1. 38h.2.1.1 Transport channel parameters for Conversational / speech / DL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1.4a.2.1.1.](#)

[6.10.2.4.1. 38h.2.1.2 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB](#)

[See clause 6.10.2.4.1.23c.2.1.1.](#)

[6.10.2.4.1. 38h.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. 38h.2.1.4 TFCS

TFCS size	48
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF5,TF4,TF1,TF0,TF0), (TF5,TF4,TF1,TF1,TF0), (TF5,TF4,TF1,TF2,TF0), (TF5,TF4,TF1,TF4,TF0), (TF4,TF3,TF0,TF0,TF0), (TF4,TF3,TF0,TF1,TF0), (TF4,TF3,TF0,TF2,TF0), (TF4,TF3,TF0,TF4,TF0), (TF3,TF2,TF0,TF0,TF0), (TF3,TF2,TF0,TF1,TF0), (TF3,TF2,TF0,TF2,TF0), (TF3,TF2,TF0,TF4,TF0), (TF2,TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF1,TF0), (TF2,TF1,TF0,TF2,TF0), (TF2,TF1,TF0,TF4,TF0), (TF1,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF0,TF0,TF0,TF4,TF1), (TF5,TF4,TF1,TF0,TF1), (TF5,TF4,TF1,TF1,TF1), (TF5,TF4,TF1,TF2,TF1), (TF5,TF4,TF1,TF4,TF1), (TF4,TF3,TF0,TF0,TF1), (TF4,TF3,TF0,TF1,TF1), (TF4,TF3,TF0,TF2,TF1), (TF4,TF3,TF0,TF4,TF1), (TF3,TF2,TF0,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF3,TF2,TF0,TF2,TF1), (TF3,TF2,TF0,TF4,TF1), (TF2,TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1,TF1), (TF2,TF1,TF0,TF2,TF1), (TF2,TF1,TF0,TF4,TF1), (TF1,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF4,TF1)

6.10.2.4.1. 38h.2.2 Physical channel parameters

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

6.10.2.4.1. 38i [Conversational / speech / \(12.2 7.95 5.9 4.75\) kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

6.10.2.4.1. 38i.1 [Uplink](#)

6.10.2.4.1. 38i.1.1 [Transport channel parameters](#)

6.10.2.4.1. 38i.1.1.1 [Transport channel parameters for Conversational / speech / UL: \(12.2 7.95 5.9 4.75\) kbps / CS RAB](#)

[See clause 6.10.2.4.1. 4a.1.1.1.](#)

6.10.2.4.1. 38i.1.1.2 [Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB](#)

[See clause 6.10.2.4.1.24.1.1.1.](#)

6.10.2.4.1. 38i.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. 38i.1.1.4 TFCS

TFCS size	4860
TFCS	<p>(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)</p>

6.10.2.4.1. 38i.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. 38i.2 Downlink

6.10.2.4.1. 38i.2.1 Transport channel parameters

6.10.2.4.1. 38i.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

6.10.2.4.1. 38i.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.2.4.1.25.2.1.1.

6.10.2.4.1. 38i.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. 38i.2.1.4 TFCS

TFCS size	60
TFCS	<p>(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)</p>

6.10.2.4.1. 38i.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. 38j Conversational / speech / (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

6.10.2.4.1. 38j.1 Uplink

6.10.2.4.1. 38j.1.1 Transport channel parameters

See clause 6.10.2.4.1.38i.1.1

6.10.2.4.1. 38j.2 Downlink

6.10.2.4.1. 38j.2.1 Transport channel parameters

6.10.2.4.1. 38j.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

6.10.2.4.1. 38j.2.1.2 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. 38j.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. 38j.2.1.4 TFCS

TFCS size	60
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,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1. 38j.2.2 Physical channel parameters

DPCH Downlink	DTX position		Flexible
	Spreading factor		16
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	288
Number of data bits/frame		4320	

<End of modified section>

<Start of modified section>

[6.10.2.4.1.51a Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.51a.1 Uplink](#)

[6.10.2.4.1. 51a.1.1 Transport channel parameters](#)

[6.10.2.4.1. 51a.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB](#)

[See clause 6.10.2.4.1.13.2.1.1.](#)

[6.10.2.4.1. 51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1.37.1.1.1.](#)

[6.10.2.4.1. 51a.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

[6.10.2.4.1. 51a.1.1.4 TFCS](#)

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

[6.10.2.4.1. 51a.1.2 Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.88

[6.10.2.4.1. 51a.2 Downlink](#)[6.10.2.4.1. 51a.2.1 Transport channel parameters](#)[6.10.2.4.1. 51a.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / PS RAB](#)[See clause 6.10.2.4.1.13.2.1.1.](#)[6.10.2.4.1. 51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB](#)[See clause 6.10.2.4.1.38b.2.1.1.](#)[6.10.2.4.1. 51a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH](#)[See clause 6.10.2.4.1.2.2.1.1.](#)[6.10.2.4.1. 51a.2.1.4 TFCS](#)

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

[6.10.2.4.1. 51a.2.2 Physical channel parameters](#)

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

~~[6.10.2.4.1.51b](#) Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH~~

~~[6.10.2.4.1. 51b.1 Uplink](#)~~~~[6.10.2.4.1. 51b.1.1 Transport channel parameters](#)~~~~[6.10.2.4.1. 51b.1.1.1 Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB](#)~~~~[See clause 6.10.2.4.1.23b.1.1.1.](#)~~~~[6.10.2.4.1. 51b.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)~~~~[See clause 6.10.2.4.1.38b.1.1.1.](#)~~~~[6.10.2.4.1. 51b.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)~~~~[See clause 6.10.2.4.1.2.1.1.1.](#)~~

6.10.2.4.1. 51b.1.1.4 TFCS

<u>TFCS size</u>	<u>12</u>
<u>TFCS</u>	<u>(16 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1)</u>

6.10.2.4.1. 51b.1.2 Physical channel parameters

<u>DPCH Uplink</u>	<u>Min spreading factor</u>	<u>32</u>
	<u>Max number of DPDCH data bits/radio frame</u>	<u>2400</u>
	<u>Puncturing Limit</u>	<u>1.0</u>

6.10.2.4.1. 51b.2 Downlink6.10.2.4.1. 51b.2.1 Transport channel parameters6.10.2.4.1. 51b.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RABSee clause 6.10.2.4.1.58.2.1.1.6.10.2.4.1. 51b.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RABSee clause 6.10.2.4.1.38b.2.1.1.6.10.2.4.1. 51b.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCHSee clause 6.10.2.4.1.2.2.1.1.6.10.2.4.1. 51b.2.1.4 TFCS

<u>TFCS size</u>	<u>16</u>
<u>TFCS</u>	<u>(64 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)</u>

6.10.2.4.1.51b.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	

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

6.10.2.4.1.51b.1 Uplink

6.10.2.4.1.51b.1.1 Transport channel parameters

6.10.2.4.1.x.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.1.1.1.

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51b.1.1.4 TFCS

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

[6.10.2.4.1.51b.1.2 Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.80

[6.10.2.4.1.51b.2 Downlink](#)

[See clause 6.10.2.4.1.51.2.](#)

<End of modified section>

<Start of modified section>

[6.10.2.4.1.56](#) [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](#)

[6.10.2.4.1.56.1](#) [Uplink](#)

[6.10.2.4.1.56.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.56.1.1.1](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB + UL:8 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	8000	8000	
	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	
	TTI, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	1080		
	Uplink: Max number of bits/radio frame before rate matching	270		
	RM attribute	135-175		

[6.10.2.4.1.56.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

See clause [6.10.2.4.1.2.1.1.1](#).

[6.10.2.4.1.56.1.1.3](#) ~~TFCS~~

TFCS size	4
TFCS	(648 kbps RAB + 648 kbps RAB, DCCH) = (TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

[6.10.2.4.1.56.1.2](#) [Physical channel parameters](#)

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

[6.10.2.4.1. 56.2 Downlink](#)

[6.10.2.4.1. 56.2.1 Transport channel parameters](#)

[6.10.2.4.1. 56.2.1.1 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB + DL:8 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	8000	8000	
	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	
	TTL, ms	40		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTL after channel coding	1080		
	RM attribute	135-175		

[6.10.2.4.1. 56.2.1.2 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. 56.2.1.3 TFCS](#)

TFCS size	4
TFCS	(6 48 kbps RAB + 6 48 kbps RAB, DCCH) = (TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

[6.10.2.4.1. 56.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.57](#) [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](#)

[6.10.2.4.1.57.1](#) [Uplink](#)

[6.10.2.4.1.57.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.57.1.1.1](#) [Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB + UL:64 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	64000	64000	
	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	
		TF3, bits	3x340	
		TF4, bits	4x340	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
Uplink: Max number of bits/radio frame before rate matching	2142			
RM attribute	130-170			

[6.10.2.4.1.57.1.1.2](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

[6.10.2.4.1.57.1.1.3](#) [TFCS](#)

TFCS size	10
TFCS	(64 kbps RAB + 64 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1.57.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	16
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.92

[6.10.2.4.1. 57.2 Downlink](#)

[6.10.2.4.1. 57.2.1 Transport channel parameters](#)

[6.10.2.4.1. 57.2.1.1 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB + DL:64 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	64000	64000	
	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	0x340	0x340	
		1x340	1x340	
		2x340	2x340	
		3x340	3x340	
		4x340	4x340	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
RM attribute	130-170			

[6.10.2.4.1. 57.2.1.2 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. 57.2.1.3 TFCS](#)

TFCS size	10
TFCS	(64 kbps RAB + 64 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

[6.10.2.4.1. 57.2.2 Physical channel parameters](#)

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

[6.10.2.4.1.58](#) [Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH](#)

[6.10.2.4.1.58.1](#) [Uplink](#)

[6.10.2.4.1.58.1.1](#) [Transport channel parameters](#)

[6.10.2.4.1.58.1.1.1](#) [Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB](#)

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	16000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068	
	Uplink: Max number of bits/radio frame before rate matching	534	
	RM attribute	135-175	

[See clause 6.10.2.4.1.23b.1.1.1.](#)

[6.10.2.4.1.58.1.1.2](#) [Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB](#)

[See clause 6.10.2.4.1.38b.1.1.1.](#)

[6.10.2.4.1.58.1.1.3](#) [Transport channel parameters for UL:3.4 kbps SRBs for DCCH](#)

[See clause 6.10.2.4.1.2.1.1.1.](#)

[6.10.2.4.1.58.1.1.4](#) [TFCS](#)

TFCS size	8+2
TFCS	(16 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1)

[6.10.2.4.1.58.1.2](#) [Physical channel parameters](#)

DPCH Uplink	Min spreading factor	32
	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	1.0

6.10.2.4.1. 58.2 Downlink

6.10.2.4.1. 58.2.1 Transport channel parameters

6.10.2.4.1. 58.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	640 320	
	Max data rate, bps	64000	
	AM PDU header, bit ???	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	656 336	
	TFS	TF0, bits	0x656 336
		TF1, bits	12x656 336
		TF2, bits	24x656 336
		TF3, bits	48x656 336
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	8076 8460	
RM attribute	125-165		

6.10.2.4.1. 58.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.1.

6.10.2.4.1. 58.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1. 58.2.1.4 TFCS

TFCS size	16
TFCS	(64 kbps RAB, 8 kbps RAB, DCCH)= (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)

6.10.2.4.1. 58.2.2 Physical channel parameters

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

<End of modified section>

<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, 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 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	RAB		
Higher layer	User of Radio Bearer	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	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
Higher layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC	
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

6.10.2.4.3.3 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, 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

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

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

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

6.10.2.4.3.4.1.3 TFCS

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

6.10.2.4.3.4.2 Physical channel parameters

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

<End of modified section>

CHANGE REQUEST

⌘ **34.108 CR 095** ⌘ ev **-** ⌘ Current version: **4.1.0** ⌘

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

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

Title:	⌘ Clarification of bit rate of Interactive/Background PS RAB		
Source:	⌘ NTT DoCoMo, Orange, Telecom Italia, Hutchison 3G (UK)		
Work item code:	⌘ TEI	Date:	⌘ 2002-02-22
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:	⌘ Clarification of "bit rate" in 34.108		
Summary of change:	⌘ In the current 34.108, bit rate in the each header represents bit rate as the RAB attribute, as described in 6.10.1. On the other hand, bit rates of some new Interactive/Background PS RABs proposed in the RAN1/RAN2 joint meeting seems not to be the RAB attributes but bit rates restricted by UTRAN, i.e. Radio Bearer(RB) bit rates. In the latest 34.108, there are some I/B PS RABs, which bit rate can be seen as the RB bit rates, also. This CR clarifies that "bit rate" can represent RAB attribute bit rate and RB bit rate concerning I/B PS RAB in 34.108.		
Consequences if not approved:	⌘ Definition of the "bit rate" in 34.108 will be very unambiguous.		

Clauses affected:	⌘ 6.10.1		
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/](http://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.

6.10 Reference Radio Bearer configurations used in Radio Bearer interoperability testing

The reference radio bearer configurations are typical configurations of the radio interface. This sub-set of the mandatory set of radio bearer configurations supported by the UE is intended to be used as test configurations for testing of the UE. The purpose of the reference radio bearer configurations is to ensure interoperability of UE's in different regions and networks.

The reference radio bearer configurations are used in the radio bearer interoperability test cases, clause 14 of TS 34.123-1 [1]. The reference radio bearer configurations are also intended to be the first choice for other test cases where a radio bearer configuration is needed. For test cases requiring alternative configurations not provided by the reference radio bearer configurations then these specific radio bearer configurations are either specified in the actual test case itself; or in case the configurations are used by more than one test case then these common radio bearer configurations are specified in clause 6.11 of the present document.

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

6.10.1 QoS Architecture and RAB attributes

From a user point-of-view services are considered end-to-end, this means from a Terminal Equipment (TE) to another TE. An End-to-End Service may have a certain Quality of Service (QoS) which is provided for the user through the different networks. In UMTS, it is the UMTS Bearer Service that provides the requested QoS through the use of different QoS classes as defined in TS 23.107.

The UMTS Bearer Service consists of two parts, the Radio Access Bearer Service, RAB, and the Core Network Bearer Service. The Radio Access Bearer Service is realised by a Radio Bearer Service and an Iu-Bearer Service. The relationship between the services is illustrated in figure 6.10.1.1.

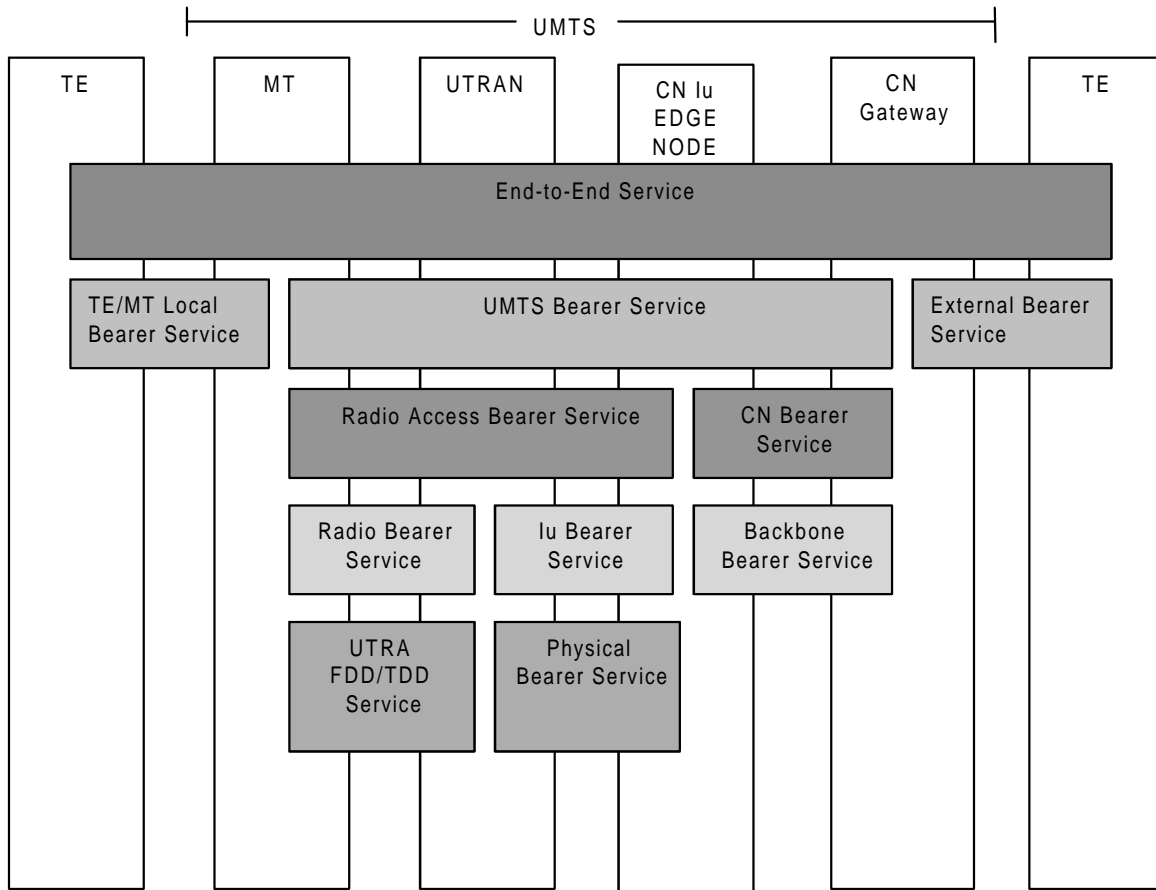


Figure 6.10.1.1: UMTS QoS Architecture

The Radio Access Bearer Service is characterised by a number of attributes such as Traffic class, Maximum bit rate, Guaranteed bit rate, SDU error ratio, Residual BER, Transfer Delay etc. As a first approach the four following attributes have been considered to come up with the parameter settings in clause 6.10.2.4 for FDD mode and 6.10.3.4 for TDD mode:

- Traffic class;
- SSD;
- Maximum bit rate;
- Residual BER.

The Traffic classes are explained in table 6.10.1.1. The Maximum bit rate has been considered at RLC layer and Physical Layer for the acknowledged and unacknowledged modes respectively. The Residual BER is understood as BER at RLC layer and Transport BLER for the acknowledged and unacknowledged modes respectively.

[NOTE: The maximum bit rate in 6.10.2.4 is one of the RAB attribute as described above. For Interactive/Background PS RABs, however, the maximum bit rate of Radio Bearer can be lower than the maximum bit rate of RAB attributes due to radio resource management. Bit rates of Interactive/Background PS RABs described in 6.10.2.4 may represent the maximum bit rate of Radio Bearer taking account into this management.](#)

CHANGE REQUEST

⌘ **34.108 CR 094** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

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

Title:	⌘ Updating SIBs for TDD mode ⌘		
Source:	⌘ Siemens AG ⌘		
Work item code:	⌘ LCRTDD ⌘	Date:	⌘ 1.February.2002 ⌘
Category:	⌘ F ⌘	Release:	⌘ REL-4 ⌘
	<i>Use <u>one</u> of the following categories:</i> F (essential 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:	⌘ Some technical errors have been found in SIBs for TDD (both modes) ⌘		
Summary of change:	⌘ <ul style="list-style-type: none"> • Contents of Scheduling Block 1 (3.84 Mcps TDD) • Contents of System Information Block type 5 in connected mode (3.84 Mcps TDD) • Contents of System Information Block type 5 in connected mode (1.28 Mcps TDD) • Contents of System Information Block type 6 in connected mode (similar to SIB type 5) (3.84 Mcps TDD) • Contents of System Information Block type 6 in connected mode (similar to SIB type 5) (1.28 Mcps TDD) • Contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD) • Contents of System Information Block type 12 in connected mode (3.84 Mcps and 1.28 Mcps TDD) ⌘		
Consequences if not approved:	⌘ ⌘		

Clauses affected:	⌘ 6.1 ⌘		
Other specs	⌘ <input type="checkbox"/> Other core specifications ⌘	⌘ ⌘	

affected:

- Test specifications
- O&M Specifications



Other comments:

⌘ Reference: CR already approved last meeting for FDD mode T1S-010361r1
The updates proposed were checked for TDD mode and implemented if needed.

<Start of modified table>

Contents of Scheduling Block 1 (3.84 Mcps TDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	34
- SIB_REP	128
- SIB_POS	26 <u>19</u>
- SIB_POS offset info	
- <u>SIB_OFF</u>	<u>4</u>
- 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	34
- SIB_REP	128
- SIB_POS	42 <u>35</u>
- SIB_POS offset info	
- <u>SIB_OFF</u>	<u>2</u>
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	
- CHOICE Value tag	Cell Value tag <u>Not Present</u>
Cell Value tag	4
- SEG_COUNT	1
- SIB_REP	128 <u>32</u>
- SIB_POS	22 <u>11</u>
- 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 <u>29</u>
- 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 <u>61</u>
- SIB_POS offset info	
- 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	61
- SIB_REP	128
- SIB_POS	74 <u>6</u>
- SIB_POS offset info	<u>Not Present</u>

-SIB_OFF	2
-SIB_OFF	2
-SIB_OFF	8
-SIB_OFF	4
-SIB_OFF	2
- SIB type SIBs only	System Information Type 168

<End of modified table>

<Start of modified table>

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
- Block STTD 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	

- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 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 3	4
- Midamble Shift	Not Present
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- no data	
- Code List	
- Channelisation Code	(This IE is repeated for Code number for PCH and FACH)
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS addition information	
- CHOICE CTFC Size	
- CTFC information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Power offset information	Reference clause 6.10 Parameter Set
- FACH/PCH information	Not Present
- 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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(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	T 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	
- CHOICE <i>mode</i>	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<End of modified table>

<Start of modified table>

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

- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- 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
- Block STTD 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	(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
- 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
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	

- 2 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	Addition
- TFCS addition 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set

- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<End of modified table>

<Start of modified table>

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 STTD 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	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
- 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	
- 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
- TFCl 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
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS addition 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	(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
- Channelisation code list	
- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Timeslot number	0
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble shift and burst type	0
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8

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

<End of modified table>

<Start of modified table>

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	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	0 1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False 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
- 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
- SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- Maximum number of reported cells on RACH	No report 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	FALSE TRUE
- 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 monitored set cells	No report
- SFN-SFN observed time difference reporting indicator	FALSE
- Cell synchronisation information reporting indicator	TRUE
- Cell identity reporting indicator	TDD
- CHOICE mode	FALSE
- Timeslot ISCP reporting indicator	FALSE
- Proposal TSGN reporting required	TRUE
- P-CCPCH RSCP reporting indicator	FALSE
- Pathloss reporting indicator	Not Present
- Reporting quantities for detected set cells	Acknowledged mode RLC
- Measurement reporting mode	Event trigger
- Measurement Report Transfer Mode	
- Periodical Reporting / Event Trigger	
Reporting Mode	
- 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	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity4
- 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	2
- 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 table>

<Start of modified table>

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	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	01
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present

- Read SFN Indicator	False TRUE
- CHOICE mode	TDD
- Primary CCPCH info	Reference clause 6.1 Default settings for cell
- Cell parameters ID	Not Present
- Primary CCPCH TX power	Not Present
- Timeslot list	
- Burst type	
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	Not Present
Reporting	
-SFN-SFN observed time difference	No report
-CHOICE mode	TDD
-Reporting quantity list	
-Reporting quantity	No report
- 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	No report
reporting indicator	
- Cell synchronisation information reporting indicator	FALSE TRUE
- 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 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	
- 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	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity 4
- Reporting interval	04000
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency

- Maximum number of reported cells	2
- 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 table>

CHANGE REQUEST

⌘ **34.108 CR 093** ⌘ rev **-** ⌘ Current version: **3.6.0** ⌘

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:	⌘ Updating SIBs for TDD mode		
Source:	⌘ Siemens AG		
Work item code:	⌘	Date:	⌘ 1.February.2002
Category:	⌘ F	Release:	⌘ REL-99
	<i>Use one of the following categories:</i> F (essential 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 one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ Some technical errors have been found in SIBs for TDD mode		
Summary of change:	⌘ <ul style="list-style-type: none"> • Contents of Scheduling Block 1 (TDD) • Contents of System Information Block type 5 in connected mode (TDD) • Contents of System Information Block type 6 in connected mode (similar to SIB type 5) (TDD) • Contents of System Information Block type 11 (TDD) • Contents of System Information Block type 12 in connected mode (TDD) 		
Consequences if not approved:	⌘		

Clauses affected:	⌘ 6.1		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	
Other comments:	⌘ Reference: CR already approved last meeting for FDD mode T1S-010361r1 The updates proposed were checked for TDD mode and implemented if needed.		

<Start of modified table>

Contents of Scheduling Block 1 (TDD)

<ul style="list-style-type: none"> - References to other system information blocks - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - <u>SIB_OFF</u> - SIB_OFF - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - <u>SIB_OFF</u> - SIB_OFF - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - PLMN Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info 	<ul style="list-style-type: none"> Cell Value tag 1 34 128 26<u>19</u> <u>4</u> 2 2 System Information Type 5 Cell Value tag 1 34 128 42<u>35</u> <u>2</u> 2 2 System Information Type 6 Cell Value tag<u>Not Present</u> 4 1 128<u>32</u> 22<u>11</u> Not Present —use default System Information Type 7 Cell Value tag 1 2 128 58<u>29</u> 2 System Information Type 11 Cell Value tag 1 2 128 106<u>61</u> 2 System Information Type 12 Cell Value tag 1 1 64 54 Not Present - use default System Information Type 14 PLMN Value tag 1 61 128 74<u>6</u> <u>Not Present</u>
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-SIB_OFF	2
-SIB_OFF	2
-SIB_OFF	8
-SIB_OFF	4
-SIB_OFF	2
- SIB type SIBs only	System Information Type 168

<End of modified table>

<Start of modified table>

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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- Block STTD 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null

- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	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

- Normal	FACH.)
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS addition 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE mode	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4

- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<End of modified table>

<Start of modified table>

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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- Block STTD 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	(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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)

- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	
- 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	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	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	(This IE is repeated for TFI number.)
- 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	12 (for PCH)
- CTCH indicator	FALSE
- 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	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	F 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	
- CHOICE mode	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2

- CBS DRX Level 1 information	Not Present
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<End of modified table>

<Start of modified table>

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	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	0 1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False 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
- 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
- SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- Maximum number of reported cells on RACH	No report 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 indicator	FALSE TRUE
- 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 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	Acknowledged mode RLC
- Measurement Report Transfer Mode	Event trigger
- Periodical Reporting / Event Trigger Reporting Mode	
- 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	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity4
- Reporting interval	04000
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- 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 table>

<Start of modified table>

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	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	01
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	FalseTRUE
- 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
- Burst type	

- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not present
- Intra-frequency measurement quantity	0
- Filter coefficient	TDD
- CHOICE mode	
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	Not Present
Reporting	
-SFN-SFN observed time difference	No report
-CHOICE mode	TDD
-Reporting quantity list	
-Reporting quantity	No report
- 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	No report
reporting indicator	
- Cell synchronisation information reporting indicator	FALSE TRUE
- 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 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	
- 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	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity 4
- Reporting interval	0 4000
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- 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
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<End of modified table>

3GPP TSG-T1 Meeting #14
Sofia Antipolis, France, February 21st – 22nd, 2002

T1-020105

3GPP TSG-T1Sig Meeting #21
Sofia Antipolis, France, February 18th – 20th, 2002

T1S-020105

CR-Form-v4

CHANGE REQUEST

⌘ **34.108 CR 092** ⌘ ev **-** ⌘ Current version: **3.6.0** ⌘

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:	⌘ Clarification of bit rate of Interactive/Background PS RAB
Source:	⌘ NTT DoCoMo, Orange, Telecom Italia, Hutchison 3G (UK)
Work item code:	⌘ Date: ⌘ 2002-02-018
Category:	⌘ F Release: ⌘ R99
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 .	
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:	⌘ Clarification of "bit rate" in 34.108
Summary of change:	⌘ In the current 34.108, bit rate in the each header represents bit rate as the RAB attribute, as described in 6.10.1. On the other hand, bit rates of some new Interactive/Background PS RABs proposed in the RAN1/RAN2 joint meeting seems not to be the RAB attributes but bit rates restricted by UTRAN, i.e. Radio Bearer(RB) bit rates. In the latest 34.108, there are some I/B PS RABs, which bit rate can be seen as the RB bit rates, also. This CR clarifies that "bit rate" can represent RAB attribute bit rate and RB bit rate concerning I/B PS RAB in 34.108.
Consequences if not approved:	⌘ Definition of the "bit rate" in 34.108 will be very unambiguous.

Clauses affected:	⌘ 6.10.1
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <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.

6.8.2 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

6.9 BCCH parameters

See clause 6.1.

6.10 Reference Radio Bearer configurations used in Radio Bearer interoperability testing

The reference radio bearer configurations are typical configurations of the radio interface. This sub-set of the mandatory set of radio bearer configurations supported by the UE is intended to be used as test configurations for testing of the UE.

The reference radio bearer configurations are used in the radio bearer interoperability test cases, clause 14 of TS 34.123-1 [1]. The reference radio bearer configurations are also intended to be the first choice for other test cases where a radio bearer configuration is needed. For test cases requiring alternative configurations not provided by the reference radio bearer configurations then these specific radio bearer configurations are either specified in the actual test case itself; or in case the configurations are used by more than one test case then these common radio bearer configurations are specified in clause 6.11 of the present document.

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

6.10.1 QoS Architecture and RAB attributes

From a user point-of-view services are considered end-to-end, this means from a Terminal Equipment (TE) to another TE. An End-to-End Service may have a certain Quality of Service (QoS) which is provided for the user through the different networks. In UMTS, it is the UMTS Bearer Service that provides the requested QoS through the use of different QoS classes as defined in TS 23.107.

The UMTS Bearer Service consists of two parts, the Radio Access Bearer Service, RAB, and the Core Network Bearer Service. The Radio Access Bearer Service is realised by a Radio Bearer Service and an Iu-Bearer Service. The relationship between the services is illustrated in figure 6.10.1.1.

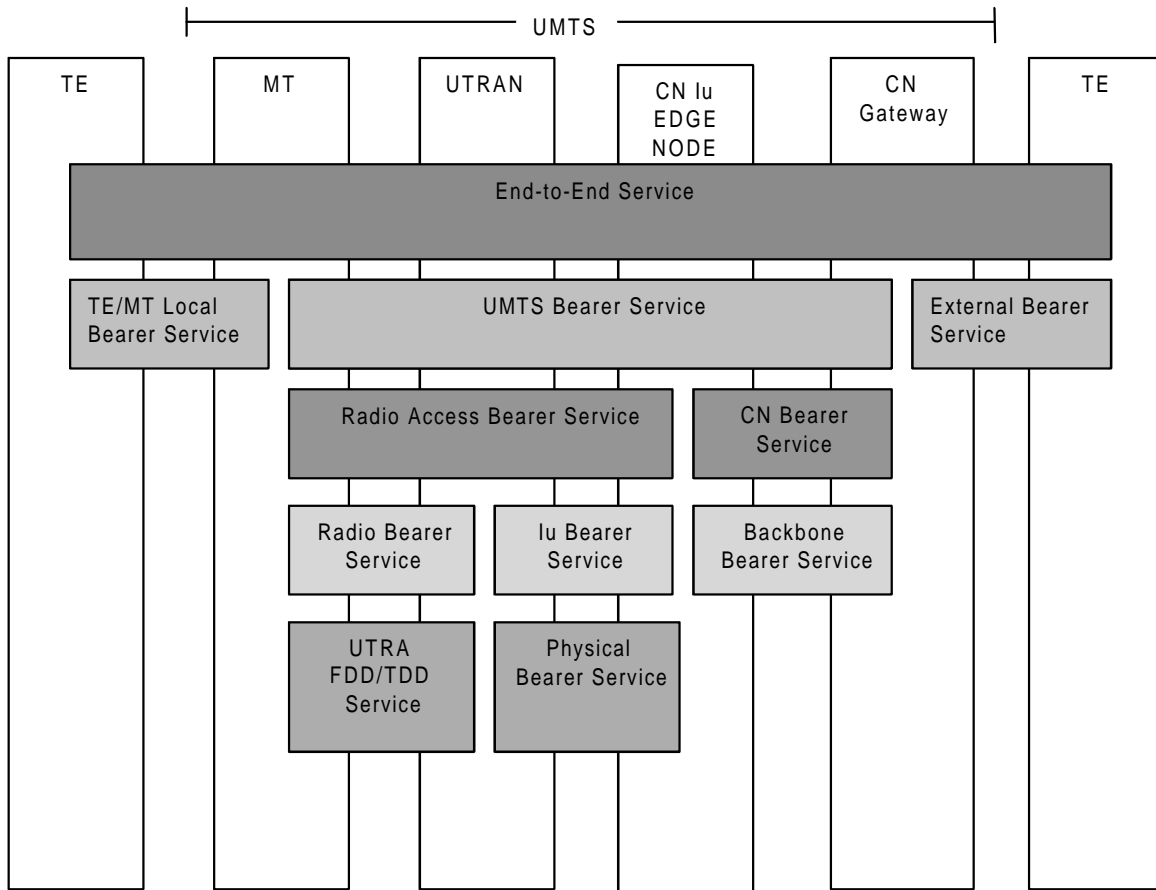


Figure 6.10.1.1: UMTS QoS Architecture

The Radio Access Bearer Service is characterised by a number of attributes such as Traffic class, Maximum bit rate, Guaranteed bit rate, SDU error ratio, Residual BER, Transfer Delay etc. As a first approach the four following attributes have been considered to come up with the parameter settings in clause 6.10.2.4 for FDD mode and 6.10.3.4 for TDD mode:

- Traffic class;
- SSD;
- Maximum bit rate;
- Residual BER.

The Traffic classes are explained in table 6.10.1.1. The Maximum bit rate has been considered at RLC layer and Physical Layer for the acknowledged and unacknowledged modes respectively. The Residual BER is understood as BER at RLC layer and Transport BLER for the acknowledged and unacknowledged modes respectively.

[NOTE: The maximum bit rate in 6.10.2.4 is one of the RAB attribute as described above. For Interactive/Background PS RABs, however, the maximum bit rate of Radio Bearer can be lower than the maximum bit rate of RAB attributes due to radio resource management. Bit rates of Interactive/Background PS RABs described in 6.10.2.4 may represent the maximum bit rate of Radio Bearer taking account into this management.](#)

Table 6.10.1.1: Traffic classes

Traffic class	Conversational class conversational RT	Streaming class streaming RT	Interactive class Interactive best effort	Background Background best effort
Fundamental characteristics	- Preserve time relation (variation) between information entities of the stream Conversational pattern (stringent and low delay)	- Preserve time relation (variation) between information entities of the stream (i.e. some but constant delay)	Request response pattern Preserve payload content	Destination is not expecting the data within a certain time Preserve payload content
Example of the application	- speech, video, ...	- facsimile (NT) - streaming audio and video	- Web browsing	- background download of emails

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.

3GPP TSG- T1 Meeting #14
Sophia Antipolis, France, 21st –22nd February 2002

T1-020102

3GPP TSG- T1 SIG Meeting #21
Sophia Antipolis, France, 18th-20th February 2002

T1S-020021r3

CR-Form-v6.1

CHANGE REQUEST

⌘ **TS 34.108 CR 089** ⌘ rev - ⌘ Current version: **4.1.0** ⌘
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: ⌘ Corrections to 34108-410
Source: ⌘ MCI, Ericsson
Work item code: ⌘ TEI **Date:** ⌘ 19th February 2002
Category: ⌘ **F** **Release:** ⌘ REL-4
Use one of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
B (addition of feature),
C (functional modification of feature)
D (editorial modification)
Detailed explanations of the above categories can be found in 3GPP [TR 21.900](#).
Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change: ⌘ Some IEs are missing.
In SIB type 11 and 12, IE “Triggering condition 1” is mandatory if IE “Intra-frequency event identity” is set to ‘1b’.
Editorial corrections.
Revision 1 is highlighted in green.
Revision 2 is taken from T1S-020063 by Ericsson and are highlighted in yellow.
Revision 3 is taken from T1S-020063 by Ericsson and are highlighted in blue.

Summary of change: ⌘ In clause 6.1 and 9, missing IEs are added.
In SIB type 11 and 12, the value in IE “Triggering condition 2” has been moved into IE “Triggering condition 1” in the case where IE “Intra-frequency event identity” is set to ‘1b’.
The comments in IE “CHOICE Gain Factor” in RABIO BEARER SETUP message and RRC CONNECTION SETUP message have been revised to state that gain factors will not be transmitted to the UE if computed gain factors are used.
IE “Power offset Pp-m” is set to “0 dBm”.
If IE “CHOICE Gain Factors” is set to “signalled gain factor”, IE “Gain factor βc” shall be set to ‘11’ if the data rate is less than 64 kbps and set to ‘9’ if the data rate is more than 64

kbps. IE "Gain factor •d" shall be set to '15' if IE "CHOICE Gain Factors" is set to "signalled gain factor".

IE "Qhyst2s" is set to "Not Present", as CPICH_RSCP is used as the measurement criteria for cell re-selection.

In SIB type 5, the TFCS representation for PRACH and SCCPCH is changed to 'Complete' from 'Addition'.

SIB scheduling has been changed. The current repeat period is 64 frames, instead of 128 and therefore the parameters in MIB and SB1 has been changed.

Value of IE "Primary scrambling code" is set to refer to clause 6.1.

In clause 6.1 and Annex A:

- a) 'CHOICE Logical Channel List' changed from 'All' to 'Configured' in SIB5 and SIB6 messages.

'CHOICE TFCS representation' changed from "Addition" to "Complete reconfiguration"

Changed 'CHOICE RLC size list' from 'Configured' to 'Explicit List' (as this is the only valid value on RACH) for the following messages:

- 9.1: RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)
- 9.1: RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)
- 9.2: RADIO BEARER SETUP message
- 9.2: RRC CONNECTION SETUP

Consequences if not approved: ☼ The test procs in TS 34.123-1 cannot test UE correctly.

Clauses affected: ☼

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

Other comments: ☼ Affects Rel '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 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.

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	1
- SIB_POS offset info	Not Present – use default
- SIB type	Scheduling Block 1
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	12864
- SIB_POS	11
- SIB_POS offset info	Not Present – use default
- SIB type	System Information Type 1
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	12864
- SIB_POS	11
- SIB_POS offset info	Not Present – use default
- SIB type	System Information Type 2
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	64
- SIB_REP	10
- SIB_POS	10
- SIB_POS offset info	Not Present – use default
- SIB type	System Information Type 3

- Scheduling information	Cell Value tag
- CHOICE Value tag	1
- Cell Value tag	1
- SEG_COUNT	64
- SIB_REP	1626
- SIB_POS	Not Present – use default
- SIB_POS offset info	System Information Type 4
- SIB type	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	64
- SIB_POS	16
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	4
- SIB_OFF	4
- 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	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	128
- SIB_POS	16
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	4
- SIB_OFF	4
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	12864
- SIB_POS	16
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	
- CHOICE Value tag	Not Present
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	16
- SIB_POS	12
- 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	4
- SIB_REP	12864
- 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	4
- SIB_REP	12864

- SIB_POS	4, 13
- 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	128, 64
- SIB_POS	4, 8
- 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	
- 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	3
- SIB_REP	128
- SIB_POS	42
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- 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	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	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 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	200
- 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	20
- T314	20 seconds
- T315	30 seconds
- N315	200
- T316	50 seconds
- T317	1800 seconds

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	Not Present
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Qhyst1s	0 dB
- Qhyst2s	-1 dB Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	33dBm
- 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	CPICH RSCP
- 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	-115 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	Not present
- Mapping Info	CPICH RSCP
- Cell_selection_and_reselection_quality_measure	
- 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}	Not Present
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Qhyst1s	0 dB
- Qhyst2s	0 dB Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	33dBm
- 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	
- Mapping info	Not Present
- Cell_selection_and_reselection_quality_measure	CPICH RSCP
- CHOICE mode	TDD
- S _{intrasearch}	10 dB
- S _{intersearch}	10 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,S_{search}RAT}	Not Present
- Q _{rxlevmin}	-115 dBm
- Q _{hyst1s}	0 dB
- T _{reselections}	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	
- TX Diversity indicator	FALSE
- 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	<u>ConfiguredALL</u>
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	<u>ConfiguredALL</u>
- 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	<u>Addition Complete reconfiguration</u>
- TFCS <u>complete addition</u> information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- <u>CHOICE Mode</u>	<u>FDD</u>
- Power offset Pp-m	-5 <u>0</u> dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10 <u>11</u>
- Gain factor βd	15
- Reference TFC ID	0
- <u>CHOICE Mode</u>	<u>FDD</u>
- Power offset Pp-m	-5 <u>0</u> dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	FDD
- CHOICE mode	0 (ASC#2)
- Available signature Start Index	7 (ASC#2)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#4)
- Available signature Start Index	7 (ASC#4)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#6)
- Available signature Start Index	7 (ASC#6)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	2
- 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	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	Addition Complete reconfiguration
- TFCS complete 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
- CTFC information	10
- 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
- Block STTD 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	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

- 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

- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	FDD
- 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
- Channelisation code	16/16
- Timeslot number	0
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- 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 STTD 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	

- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 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	1.28 Mcps TDD
- CHOICE <i>TDD option</i>	0
- Timeslot number	Reference clause 6.10 Parameter Set
- TFCI existence	
- Midamble Shift and burst type	1.28 Mcps TDD
- CHOICE <i>TDD option</i>	Default midamble
- Midamble Allocation Mode	4
- Midamble configuration	Not Present
- Midamble Shift	1.28 Mcps TDD
- CHOICE <i>TDD option</i>	Reference clause 6.10 Parameter Set
- 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	Addition
- TFCS addition 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	(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
- Channelisation code list	
- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Timeslot number	0
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble shift and burst type	0
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present

- 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	
- TX Diversity indicator	FALSE
- 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	ALL Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL 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	Addition 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	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	10 11
- Gain factor βd	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	-5 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	
- CHOICE mode	FDD

- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#4)
- Available signature End Index	7 (ASC#4)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#6)
- Available signature End Index	7 (ASC#6)
- Assigned Sub-channel Number	'1111'B
- 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	Not Present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	2
- 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	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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	Addition <u>Complete reconfiguration</u>
- 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
- CTFC information	10
- 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
- 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	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
- 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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- Block STTD 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	(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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)

- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE <i>mode</i>	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE <i>mode</i>	TDD
- Offset	0
- Common timeslot info	
- 2 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	Addition
- TFCS addition 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	FDD
- 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
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0

- 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 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 STTD 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	

- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Available SYNC_UL codes indices	"111111111"
- CHOICE subchannel size	Size1
- Available Subchannels	Null
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE mode	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	
- 2 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	1.28 Mcps TDD
- CHOICE <i>TDD option</i>	0
- Timeslot number	Reference clause 6.10 Parameter Set
- TFCI existence	
- Midamble Shift and burst type	1.28 Mcps TDD
- CHOICE <i>TDD option</i>	Default midamble
- Midamble Allocation Mode	4
- Midamble configuration	Not Present
- Midamble Shift	1.28 Mcps TDD
- CHOICE <i>TDD option</i>	Reference clause 6.10 Parameter Set
- 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	Addition
- TFCS addition 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	(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
- Channelisation code list	
- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Timeslot number	0
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble shift and burst type	0
- CHOICE <i>TDD option</i>	1.28 Mcps TDD
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present

- 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	
- Qoffset1s,n	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	33 dBm
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- 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	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 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 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	2 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	3
- 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 Not Present
- Triggering condition 2	Not Present 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	3
- 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
- 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	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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False
- 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
- 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	
-SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- 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	No report
reporting indicator	
- 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 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	
- 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
- Threshold used frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- 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	
- 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 "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	
- Qoffset _{s,n}	0 dB
- Qoffset _{2s,n}	Not Present
- Maximum allowed UL TX power	33dBm
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- 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	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 monitored 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 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	
- 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	3
- 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 Not Present
- Triggering condition 2	Not Present 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	3
- 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
- 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	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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False
- 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
- Burst type	
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	
Reporting	
-SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- 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	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 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	
- 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
- Threshold used frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- Inter-frequency measurement system	Not Present
information	
- 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

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 (3.84 Mcps TDD and 1.28 Mcps 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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Default settings for cell No.2 (3.84 Mcps TDD and 1.28 Mcps 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
---	---

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
-------------------------------	---

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 (3.84 Mcps TDD and 1.28 Mcps 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 (3.84 Mcps TDD and 1.28 Mcps 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 (3.84 Mcps TDD and 1.28 Mcps 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 (3.84 Mcps TDD and 1.28 Mcps 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 (3.84 Mcps TDD and 1.28 Mcps 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 (3.84 Mcps TDD and 1.28 Mcps 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
---	---

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 6.1.1: 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	dBm	-60

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	dBm	-60	-70

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	-90

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	≤ -122

Table 6.1.5: Default power levels of physical channels relative to CPICH_Ec

Parameter	Unit	Level Idle mode (NOTE)	Level Connected mode
DPCH_Ec	dB		-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”.		

Reference Radio Conditions for signalling test cases only (TDD)

9 Default Message Contents

9.1 Default Message Contents for Signalling

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.

Contents of DOWNLINK DIRECT TRANSFER message: AM

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.
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)

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
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	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
- CHOICE Downlink RLC mode	TM RLC

Information Element	Value/remark
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	2
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	1
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	7
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	12
- RB identity	Not Present
- PDCP info	RLC info
- CHOICE RLC info type	TM RLC
- CHOICE Uplink RLC mode	Not Present
- Transmission RLC discard	FALSE
- Segmentation indication	TM RLC
- CHOICE Downlink RLC mode	FALSE
- Segmentation indication	
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	3
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	1
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	8
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure information	
- CHOICE CTFC Size	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10
- CTFC	Reference to TS34.108 clause 6.10 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor •c	TBD 11 (below 64 kbps)
- Gain factor •d	9 (higher than 64 kbps)
- Gain factor •e	(Not Present if the above is set to Computed Signalled Gain Factors)
- Gain factor •f	TBD 15
- Gain factor •g	(Not Present if the above is set to Computed Signalled Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD

Information Element	Value/remark
- Power offset P _{p-m}	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
- 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	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH information for DRAC	Not Present
list	
DL Transport channel information common for all	
transport channel	
- SCCPCH 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

Information Element	Value/remark
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	-6.3
- 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
Frequency info	
- UARFCN uplink(Nu)	Reference to clause 5.1 Test frequencies
- UARFCN downlink(Nd)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	33dBm
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)" 400

Information Element	Value/remark
- 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
- SSST 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 (Packet to CELL_DCH from CELL_DCH in PS)

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	SS provides the value of this IE, from its internal counter.
- RRC message sequence number	Not Present
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
Ciphering mode info	Start/restart
- Ciphering mode command	Use one of the supported ciphering algorithms
- Ciphering algorithm	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time info	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
Activation time	$(256+CFN-(CFN \text{ MOD } 8 + 8))\text{MOD } 256$
New U-RNTI	Not Present
New C-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	
- RAB info	
- RAB identity	0000 0101B
- CN domain identity	PS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	20
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	Max DAT retransmissions
- MAX_DAT	4
- Timer_MRW	100
- MaxMRW	4
- Transmission window size	8
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- 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
- 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

Information Element	Value/remark
- 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
- 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 Configured
- 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	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure information	
- CHOICE CTFC Size	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10
	Reference to TS34.108 clause 6.10 Parameter Set
- CTFC	
- Power offset information	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- CHOICE Gain Factors	11 (below 64 kbps)
	9 (higher than 64 kbps) TBD
- Gain factor •c	(Not Present if the above is set to Computed Signalled Gain Factors)
	TBD15
- Gain factor •d	(Not Present if the above is set to Computed Signalled 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	
- 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	

Information Element	Value/remark
- 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 TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure	
- CHOICE CTFC Size	
- CTFC information	
- CTFC	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10
- Power offset information	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor •c	11 (below 64 kbps) 9 (higher than 64 kbps) TBD (Not Present if the above is set to Computed Signalled Gain Factors)
- Gain factor •d	TBD15 (Not Present if the above is set to Computed Signalled 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	
- 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	-6.3
- Transparent mode signalling info	Not Present
Frequency info	
- UARFCN uplink(Nu)	Reference to clause 5.1 Test frequencies
- UARFCN downlink(Nd)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames

Information Element	Value/remark
<ul style="list-style-type: none"> - 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 	Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	FDD
<ul style="list-style-type: none"> - Downlink PDSCH information 	Not Present
Downlink information common for all radio links	
<ul style="list-style-type: none"> - Downlink DPCH info common for all RL 	
<ul style="list-style-type: none"> - Timing indicator 	Maintain
<ul style="list-style-type: none"> - CFN-targetSFN frame offset 	Not Present
<ul style="list-style-type: none"> - Downlink DPCH power control information 	
<ul style="list-style-type: none"> - DPC mode 	0 (single)
<ul style="list-style-type: none"> - CHOICE mode 	FDD
<ul style="list-style-type: none"> - Power offset $P_{Pilot-DPDCH}$ 	0
<ul style="list-style-type: none"> - DL rate matching restriction information 	Not Present
<ul style="list-style-type: none"> - Spreading factor 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Fixed or Flexible Position 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - TFCI existence 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - CHOICE SF 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - DPCH compressed mode info 	Not Present
<ul style="list-style-type: none"> - TX Diversity mode 	None
<ul style="list-style-type: none"> - SSDT information 	Not Present
<ul style="list-style-type: none"> - Default DPCH Offset Value 	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 	FDD
<ul style="list-style-type: none"> - Primary CPICH info 	
<ul style="list-style-type: none"> - Primary scrambling code 	Reference to clause 6.1 "Default settings (FDD)" 499
<ul style="list-style-type: none"> - PDSCH with SHO DCH info 	Not Present
<ul style="list-style-type: none"> - PDSCH code mapping 	Not Present
<ul style="list-style-type: none"> - Downlink DPCH info for each RL 	
<ul style="list-style-type: none"> - Primary CPICH usage for channel estimation 	Primary CPICH may be used
<ul style="list-style-type: none"> - DPCH frame offset 	0 chips
<ul style="list-style-type: none"> - Secondary CPICH info 	Not Present
<ul style="list-style-type: none"> - DL channelisation code 	
<ul style="list-style-type: none"> - Secondary scrambling code 	1
<ul style="list-style-type: none"> - Spreading factor 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Code number 	0
<ul style="list-style-type: none"> - Scrambling code change 	No change
<ul style="list-style-type: none"> - TPC combination index 	0
<ul style="list-style-type: none"> - SSDT Cell Identity 	Not Present
<ul style="list-style-type: none"> - Closed loop timing adjustment mode 	Not Present
<ul style="list-style-type: none"> - 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>FDD</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>FDD</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) Establishment cause Protocol error indicator Measured results on RACH	Set to the UE's IMSI (GSM-MAP) or TMSI. To be checked against requirement if specified FALSE Not checked

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type U-RNTI - SRNC identity - S-RNTI RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number N308 Release cause Rplmn information	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent. 0000 0000 0001B 0000 0000 0000 0000 0001B 0 The presence of this IE depends on 2 factors: (a) Ixit statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number Error indication	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. The 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 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	0000 0000 0000 0001B
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	1
- CHOICE RLC info type	
- RLC info	UM RLC
- CHOICE Uplink RLC mode	
- Transmission RLC discard	
- SDU discard mode	Timer based no explicit
- Timer discard	50
- 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 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	2
- CHOICE RLC info type	
- RLC info	AM RLC
- CHOICE Uplink RLC mode	
- 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

Information Element	Value/remark
- 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
- 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
- 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	Configured 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	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	3
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- 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
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	8
- Downlink RLC status info	

Information Element	Value/remark
- Timer_status_prohibit	200
- Timer_EPC	200
- Missing PDU indicator	TRUE
- 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	Configured 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	4
- 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
- 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
- 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

Information Element	Value/remark
- 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	Configured 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	Nor Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10
- CTFC	Reference to TS34.108 clause 6.10 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor β_c	11 (below 64 kbps) 9 (higher than 64 kbps) TBD
	(Not Present if the above is set to Computed Signalled Gain Factors)
- Gain factor β_d	TBD 15
	(Not Present if the above is set to Computed Signalled Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC size	Reference to clause 6.10 Parameter Set
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- Transmission Time Interval	Reference to TS34.108 clause 6.10 Parameter Set
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to clause 6.10 Parameter Set
- Type of channel coding	Reference to clause 6.10 Parameter Set
- Coding Rate	Reference to clause 6.10 Parameter Set
- Rate matching attribute	Reference to clause 6.10 Parameter Set
- CRC size	Reference to clause 6.10 Parameter Set
DL Transport channel information common for all transport channel	

Information Element	Value/remark
<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
<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 TrCH Identity - DCH quality target - BLER Quality value - Transparent mode signalling info 	<ul style="list-style-type: none"> DCH 10 Same as UL DCH 5 -6.3 Not Present
<ul style="list-style-type: none"> Frequency info <ul style="list-style-type: none"> - UARFCN uplink(Nu) - UARFCN downlink(Nd) 	<ul style="list-style-type: none"> Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
<ul style="list-style-type: none"> Maximum allowed UL TX power 	<ul style="list-style-type: none"> 33dBm
<ul style="list-style-type: none"> Uplink DPCH info <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 	<ul style="list-style-type: none"> -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
<ul style="list-style-type: none"> Downlink information common for all radio links <ul style="list-style-type: none"> - Downlink DPCH info common for all RL - Timing Indication - CFN-targetSFN frame offset - CHOICE mode - Downlink DPCH power control information <ul style="list-style-type: none"> - DPC mode - Power offset P_{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 	<ul style="list-style-type: none"> Initialise 0 FDD 0 (single) 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 0
<ul style="list-style-type: none"> Downlink information for each radio links list <ul style="list-style-type: none"> - Downlink information for each radio links <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 - 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)" +00 Not Present Not Present Primary CPICH may be used 0 chips Not Present 1 Reference to clause 6.10 Parameter Set 0 No change 0 Not Present Not Present 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
<p>Message Type RRC transaction identifier Integrity check info</p> <p>- message authentication code</p> <p>- RRC message sequence number</p> <p>Integrity protection mode info Ciphering mode info</p> <p>- Ciphering mode command - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info</p> <p>Activation time New U-RNTI New C-RNTI RRC State indicator UTRAN DRX cycle length coefficient CN information info URA identity Signalling RB information to setup</p>	A1,A3	<p>Arbitrarily selects an integer between 0 and 3</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 is present with the values of the sub IEs as stated below. 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. SS provides the value of this IE, from its internal counter.</p> <p>Not Present</p> <p>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.</p> <p>Start/restart Use one of the supported ciphering algorithms (256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>Not Present</p> <p>(256+CFN-(CFN MOD 8 + 8))MOD 256</p> <p>Not Present Not Present CELL_DCH Not Present Not Present Not Present Not Present</p>
<p>RAB information for setup</p> <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 - 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	<p>0000 0001B CS domain Not Present UseT314</p> <p>10 Not Present RLC info TM RLC Not Present FALSE TM RLC FALSE</p> <p>Not Present 1 DCH 1 Not Present Configured 1</p> <p>1 DCH 6 Not Present Not Present</p>
<p>RAB information for setup</p> <ul style="list-style-type: none"> - RAB info - RAB identity 	A3	0000 0101B

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 - Transmission RLC discard - SDU discard mode - MAX_DAT - Timer_MRW - MaxMRW - 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 - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - 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 - 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 		PS domain Not Present UseT314 20 Not Present RLC info AM RLC Max DAT retransmissions 4 100 4 8 500 4 200 200 1 TRUE TRUE 99 AM RLC TRUE 8 200 200 TRUE 2RBMuxOptions Not Present 1 DCH 1 Not Present Configured 1 1 DCH 6 Not Present Not Present 1 RACH Not Present 7 Configured Explicit List Reference to TS34.108 clause 6 Parameter Set 6 1 FACH Not Present Not Present Not Present
RB information to be affected 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 	A1,A3	Not Present FDD Not Present

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size <ul style="list-style-type: none"> - ctfc2Bit - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -signalledGainFactors -modeSpecificInfo -fdd <ul style="list-style-type: none"> - Gain factor βc - Gain factor βd - Reference TFC ID 		<p>Normal</p> <p>Complete reconfiguration</p> <p>ctfc2Bit</p> <p>4</p> <p>0</p> <p>ComputedGainFactors</p> <p>0</p> <p>0</p> <p>2</p> <p>computedGainFactors</p> <p>0</p> <p>0</p> <p>1</p> <p>computedGainFactors</p> <p>0</p> <p>0</p> <p>3</p> <p>signalledGainFactors</p> <p>fdd</p> <p>8</p> <p>15</p> <p>0</p> <p>Not Present</p>
Deleted UL TrCH information		
<p>Added or Reconfigured UL TrCH information</p> <ul style="list-style-type: none"> -ul-AddReconfTransChInfoList - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type <ul style="list-style-type: none"> TTI <ul style="list-style-type: none"> -tti20 <ul style="list-style-type: none"> -DedicatedDynamicTF-Info <ul style="list-style-type: none"> - RLC size <ul style="list-style-type: none"> - BitMode <ul style="list-style-type: none"> -sizeType2 <ul style="list-style-type: none"> -Part1 -Part2 -numberOfTbSizeList <ul style="list-style-type: none"> -NumberOfTransportBlocks <ul style="list-style-type: none"> -zero -NumberOfTransportBlocks <ul style="list-style-type: none"> -one -logicalChannelList <ul style="list-style-type: none"> -allSizes -semistaticTF-Information <ul style="list-style-type: none"> -channelCodingType <ul style="list-style-type: none"> -convolutional - Rate matching attribute - CRC size 	A1, A3	<p>1</p> <p>DCH</p> <p>1</p> <p>Dedicated transport channels</p> <p>tti20</p> <p>1</p> <p>BitMode</p> <p>sizeType2</p> <p>((Part1*8)+128+Part2=244bit)</p> <p>14</p> <p>4</p> <p>2</p> <p>zero</p> <p>one</p> <p>allSizes</p> <p>convolutional</p> <p>third</p> <p>256</p> <p>16</p>
DL Transport channel information common for all transport channel	A1,A3	<p>Not Present</p> <p>FDD</p> <p>Same as UL</p>
Deleted DL TrCH information	A1,A3	Not Present

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information -dl-AddReconfTransChInfoList(OP) - 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		1 DCH 6 Same as UL DCH 1 -6.3 Not Present
Frequency info - UARFCN uplink(Nu) - UARFCN downlink(Nd) Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode - Downlink PDSCH information	A1,A3	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies 33dBm Uplink DPCH info -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) 1 64 TRUE Not Present(0) 1 FDD Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor - Number of bits for Pilot bits(SF=128,256) - Fixed or Flexible Position - TFCI existence - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value	A1,A3	Maintain Not Present 0 (single) FDD 0 Not Present 128 8 Fixed TRUE Not Present None Not Present Not Present
Downlink information for each radio link list - 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,A3	100 Not Present Not Present 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 CCCH. When transmitted on DCCH, this is absent. 0000 0000 0001B
- SRNC identity	0000 0000 0000 0000 0001B
- S-RNTI	0
RRC transaction identifier	
Integrity check info	The presence of this IE depends on 2 factors: (a) I XIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	0
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_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	1
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	
- SDU discard mode	Timer based no explicit
Timer discard	50
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	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
- RLC logical channel mapping indicator	Not Present
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	2
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- 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
- 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
- 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	Configured 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	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	3
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	Max DAT retransmissions

Information Element	Value/remark
- 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
- 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
- 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	Configured 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	4
- 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

Information Element	Value/remark
- 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
- 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
- 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	Configured
- RLC size index	Explicit List
- 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	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	ctfc2Bit

Information Element	Value/remark
- ctfc2Bit	2
- ctfc2	0
-powerOffsetInformation(OP)	
-gainFactorInformation	computedGainFactors
-computedGainFactors	0
-powerOffsetPp-m(OP)	
- ctfc2	1
-powerOffsetInformation(OP)	
-gainFactorInformation	signalledGainFactors
-signalledGainFactors	
-modeSpecificInfo	fdd
-fdd	
- Gain factor β_c	15
- Gain factor β_d	15
- Reference TFC ID	0
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information	
-ul-AddReconfTransChInfoList	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
TTI	tti40
-tti40	1
-DedicatedDynamicTF-Info	
- RLC size	octetModeType1 ((8*sizeType1)+16=96bit)
-octetModeType1	sizeType1
-sizeType1	10
-numberOfTbSizeList	2
-NumberOfTransportBlocks	zero
-zero	
-NumberOfTransportBlocks	one
-one	
-logicalChannelList	allSizes
-allSizes	
-semistaticTF-Information	
-channelCodingType	convolutional
-convolutional	third
- Rate matching attribute	256
- CRC size	crc12
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	
-dl-AddReconfTransChInfoList	1
- 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	-6.3
- Transparent mode signalling info	Not Present
Frequency info	
- UARFCN uplink(Nu)	Reference to clause 5.1 Test frequencies
- UARFCN downlink(Nd)	Reference to clause 5.1 Test frequencies

Information Element	Value/remark
Maximum allowed UL TX power	33dBm
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	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	0
- CHOICE mode	FDD
- Downlink DPCH power control information	
- DPC mode	0 (single)
- Power offset P _{Pilot-DPDCH}	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Number of bits for Pilot bits(SF=128,256)	8
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	0
Downlink information for each 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	
- 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	256
- 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 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	If ciphering is not indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
- UEA0	If ciphering is indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
- UEA1	FALSE
- Spare	FALSE
- Integrity protection algorithm capability	000000000000010B (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

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

Reference: clause 6.1.

```
MasterInformationBlock
mib-ValueTag 1,
plmn-Type {
  gsm-MAP {
    plmn-Identity {
      mcc {
        MCC 0,
        MCC 0,
        MCC 1
      },
      mnc {
        MNC 1
      }
    }
  }
},
sibSb-ReferenceList {
  SIBSb-ReferenceList {
    sibSb-Type sysInfoTypeSB1 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep16 1
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType1 2,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep128 5
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType2 2,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep128 7
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType3 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep64 3
        }
      }
    }
  },
  SIBSb-ReferenceList {
    sibSb-Type sysInfoType4 1,
    scheduling {
      scheduling {
        segCount 1,
        sib-Pos {
          rep64 19
        }
      }
    }
  }
}
```

```

    }
  }
}

SysInfoTypeSB1
{
  sib-ReferenceList {
    {
      sib-Type sysInfoType5 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos repl28 : 13,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType6 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos repl28 : 21,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType7 : NULL,
      scheduling {
        scheduling {
          segCount 1,
          sib-Pos repl28 : 11
        }
      }
    },
    {
      sib-Type sysInfoType11 : 1,
      scheduling {
        scheduling {
          segCount 2,
          sib-Pos repl28 : 29,
          sib-PosOffsetInfo {
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType12 : 1,
      scheduling {
        scheduling {
          segCount 2,
          sib-Pos repl28 : 53,
          sib-PosOffsetInfo {
            so2
          }
        }
      }
    }
  }
}

```

```

SysInfoType1
{
  cn-CommonGSM-MAP-NAS-SysInfo '00 80'H,
  cn-DomainSysInfoList {
    {
      cn-DomainIdentity ps-domain,
      cn-Type gsm-MAP : '00 00'H,

```



```

        cn-DRX-CycleLengthCoeff 7
    },
    {
        cn-DomainIdentity cs-domain,
        cn-Type gsm-MAP : '1E 01'H,
        cn-DRX-CycleLengthCoeff 7
    }
},
ue-ConnTimersAndConstants {
    t-301 ms2000,
    n-301 2,
    t-302 ms4000,
    n-302 3,
    t-304 ms1000,
    n-304 3,
    t-305 m60,
    t-307 s50,
    t-308 ms320,
    t-309 8,
    t-310 ms320,
    n-310 5,
    t-311 ms500,
    t-312 5,
    n-312 s200,
    t-313 10,
    n-313 s20,
    t-314 s20,
    t-315 s30,
    n-315 s200,
    t-316 s50,
    t-317 s1800
},
ue-IdleTimersAndConstants {
    t-300 ms400,
    n-300 7,
    t-312 10,
    n-312 s200
}
}

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

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

```

```

        hcs-PRIO 0,
        q-HCS 0,
        t-CR-Max notUsed : NULL
    },
    maxAllowedUL-TX-Power 33
},
cellAccessRestriction {
    cellBarred notBarred : NULL,
    cellReservedForOperatorUse notReserved,
    cellReservationExtension notReserved,
    accessClassBarredList {
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred
    }
}
}
}

SysInfoType4
{
    cellIdentity '00000000 00000000 00000000 0001'B,
    cellSelectReselectInfo {
        mappingInfo {
            {
                rat ultra-FDD,
                mappingFunctionParameterList {
                    {
                        functionType linear,
                        mapParameter1 1,
                        mapParameter2 1,
                        upperLimit 1
                    }
                }
            }
        },
        cellSelectQualityMeasure cpich-Ec-N0 : {
            q-HYST-2-S 0
        },
        modeSpecificInfo fdd : {
            s-Intrasearch 8,
            s-Intersearch 8,
            s-SearchHCS 5,
            q-QualMin -20,
            q-RxlevMin -58
        },
        q-Hyst-1-S 0,
        t-Reselection-S 0,
        hcs-ServingCellInformation {
            hcs-PRIO 0,
            q-HCS 0,
            t-CR-Max notUsed : NULL
        },
        maxAllowedUL-TX-Power 33
    },
    cellAccessRestriction {
        cellBarred notBarred : NULL,
        cellReservedForOperatorUse notReserved,
        cellReservationExtension notReserved,
        accessClassBarredList {
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred
        }
    }
}
}
}

```

```

        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred
    }
}
}
SysInfoType5
{
    sib6indicator TRUE,
    pich-PowerOffset -5,
    modeSpecificInfo fdd : {
        aich-PowerOffset 0
    },
    primaryCCPCH-Info fdd : {
        tx-DiversityIndicator FALSE
    },
    prach-SystemInformationList {
        {
            prach-RACH-Info {
                modeSpecificInfo fdd : {
                    availableSignatures '00000000 11111111'B,
                    availableSF sfpr64,
                    preambleScramblingCodeWordNumber 0,
                    puncturingLimit p11,
                    availableSubChannelNumbers '11111111 1111'B
                }
            },
            transportChannelIdentity 15,
            rach-TransportFormatSet commonTransChTFS : {
                tti tti20 : {
                    {
                        rlc-Size fdd : {
                            octetModeRLC-SizeInfoType2 sizeType1 : 15
                        },
                        numberOfTbSizeList {
                            one : NULL
                        },
                        logicalChannelList allSizes-configured : NULL
                    },
                    {
                        rlc-Size fdd : {
                            octetModeRLC-SizeInfoType2 sizeType2 : 3
                        },
                        numberOfTbSizeList {
                            one : NULL
                        },
                        logicalChannelList allSizes-configured : NULL
                    }
                },
                semistaticTF-Information {
                    channelCodingType convolutional : half,
                    rateMatchingAttribute 150,
                    crc-Size crc16
                }
            },
            rach-TFCS normalTFCSI-Signalling : complete : {
                ctfcSize ctfc2Bit : {
                    {
                        ctfc2 0,
                        powerOffsetInformation {
                            gainFactorInformation computedGainFactors : 0,
                            powerOffsetPp-m -5
                        }
                    },
                    {
                        ctfc2 1,
                        powerOffsetInformation {
                            gainFactorInformation signalledGainFactors : {
                                modeSpecificInfo fdd : {
                                    gainFactorBetaC 10
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```

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

```

```

    3,
    2,
    1,
    0
  },
  modeSpecificInfo fdd : {
    primaryCPiCH-TX-Power 31,
    constantValue -10,
    prach-PowerOffset {
      powerRampStep 3,
      preambleRetransMax 2
    },
    rach-TransmissionParameters {
      mmax 2,
      nb01Min 3,
      nb01Max 10
    },
    aich-Info {
      channelisationCode256 3,
      sttd-Indicator FALSE,
      aich-TransmissionTiming e0
    }
  }
},
sCCPCH-SystemInformationList {
  {
    secondaryCCPCH-Info {
      modeSpecificInfo fdd : {
        pCPiCH-UsageForChannelEst maybeUsed,
        sttd-Indicator FALSE,
        sf-AndCodeNumber sf64 : 1,
        pilotSymbolExistence FALSE,
        tfci-Existence TRUE,
        positionFixedOrFlexible flexible,
        timingOffset 0
      }
    },
    tfcs normalTFci-Signalling : complete : {
      ctfcSize ctfc4Bit : {
        {
          ctfc4 0
        },
        {
          ctfc4 1
        },
        {
          ctfc4 2
        },
        {
          ctfc4 3
        },
        {
          ctfc4 4
        },
        {
          ctfc4 5
        },
        {
          ctfc4 6
        },
        {
          ctfc4 8
        },
        {
          ctfc4 10
        }
      }
    }
  },
  fach-PCH-InformationList {
    {
      transportFormatSet commonTransChTFS : {
        tti ttI10 : {
          {
            rlc-Size fdd : {
              octetModeRLC-SizeInfoType2 sizeType1 : 24
            },
            numberOfTbSizeList {

```

```

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

SysInfoType6
{
    pich-PowerOffset -5,
    modeSpecificInfo fdd : {
        aich-PowerOffset 0
    }
}

```

```

},
primaryCCPCH-Info fdd : {
    tx-DiversityIndicator FALSE
},
prach-SystemInformationList {
    {
        prach-RACH-Info {
            modeSpecificInfo fdd : {
                availableSignatures '00000000 11111111'B,
                availableSF sfpr64,
                preambleScramblingCodeWordNumber 0,
                puncturingLimit p11,
                availableSubChannelNumbers '11111111 1111'B
            }
        },
        transportChannelIdentity 15,
        rach-TransportFormatSet commonTransChTFS : {
            tti tti20 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    },
                    numberOfTbSizeList {
                        one : NULL
                    },
                    logicalChannelList allSizes-configured : NULL
                },
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType2 : 3
                    },
                    numberOfTbSizeList {
                        one : NULL
                    },
                    logicalChannelList allSizes-configured : NULL
                }
            },
            semistaticTF-Information {
                channelCodingType convolutional : half,
                rateMatchingAttribute 150,
                crc-Size crc16
            }
        },
        rach-TFCS normalTFCI-Signalling : complete : {
            ctfcSize ctfc2Bit : {
                {
                    ctfc2 0,
                    powerOffsetInformation {
                        gainFactorInformation computedGainFactors : 0,
                        powerOffsetPp-m -5
                    }
                },
                {
                    ctfc2 1,
                    powerOffsetInformation {
                        gainFactorInformation signalledGainFactors : {
                            modeSpecificInfo fdd : {
                                gainFactorBetaC 10
                            },
                            gainFactorBetaD 15,
                            referenceTFC-ID 0
                        },
                        powerOffsetPp-m -5
                    }
                }
            }
        },
        prach-Partitioning fdd : {
            {
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                }
            },
            {
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,

```

```

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

```



```

modeSpecificInfo fdd : {
    pCPICH-UsageForChannelEst maybeUsed,
    sttd-Indicator FALSE,
    sf-AndCodeNumber sf64 : 1,
    pilotSymbolExistence FALSE,
    tfci-Existence TRUE,
    positionFixedOrFlexible flexible,
    timingOffset 0
}
},
tfcs normalTFCI-Signalling : complete : {
    ctfcSize ctfc4Bit : {
        {
            ctfc4 0
        },
        {
            ctfc4 1
        },
        {
            ctfc4 2
        },
        {
            ctfc4 3
        },
        {
            ctfc4 4
        },
        {
            ctfc4 5
        },
        {
            ctfc4 6
        },
        {
            ctfc4 8
        },
        {
            ctfc4 10
        }
    }
},
fach-PCH-InformationList {
    {
        transportFormatSet commonTransChTFS : {
            tti tti10 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 24
                    },
                    numberOfTbSizeList {
                        zero : NULL,
                        one : NULL
                    },
                    logicalChannelList allSizes : NULL
                }
            },
            semistaticTF-Information {
                channelCodingType convolutional : half,
                rateMatchingAttribute 230,
                crc-Size crcl6
            }
        },
        transportChannelIdentity 12,
        ctch-Indicator FALSE
    },
    {
        transportFormatSet commonTransChTFS : {
            tti tti10 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    },
                    numberOfTbSizeList {
                        zero : NULL,
                        one : NULL,
                        small : 2,
                        small : 3
                    }
                },
            },
        }
    }
}

```

```

    logicalChannelList allSizes : NULL
  },
  semistaticTF-Information {
    channelCodingType convolutional : half,
    rateMatchingAttribute 220,
    crc-Size crc16
  },
  transportChannelIdentity 13,
  ctch-Indicator FALSE
},
{
  transportFormatSet commonTransChTFS : {
    tti tti10 : {
      {
        rlc-Size fdd : {
          octetModeRLC-SizeInfoType2 sizeType2 : 3
        },
        numberOfTbSizeList {
          zero : NULL,
          one : NULL
        },
        logicalChannelList allSizes : NULL
      },
      semistaticTF-Information {
        channelCodingType turbo : NULL,
        rateMatchingAttribute 130,
        crc-Size crc16
      }
    },
    transportChannelIdentity 14,
    ctch-Indicator FALSE
  },
  pich-Info fdd : {
    channelisationCode256 2,
    pi-CountPerFrame e18,
    sttd-Indicator FALSE
  }
}
}
}
}
}
SysInfoType7
Analyzed Text:
{
  modeSpecificInfo fdd : {
    ul-Interference -100
  },
  prach-Information-SIB5-List {
    2
  },
  prach-Information-SIB6-List {
    2
  }
}
SysInfoType11
{
  sib12indicator TRUE,
  measurementControlSysInfo {
    use-of-HCS hcs-not-used : {
      cellSelectQualityMeasure cpich-RSCP : {
        intraFreqMeasurementSysInfo {
          intraFreqMeasurementID 1,
          intraFreqCellInfoSI-List {
            removedIntraFreqCellList removeAllIntraFreqCells : NULL,
            newIntraFreqCellList {
              {
                intraFreqCellID 0,
                cellInfo {
                  cellIndividualOffset 0,
                  modeSpecificInfo fdd : {
                    primaryCPICH-Info {
                      primaryScramblingCode 100
                    },
                    readSFN-Indicator TRUE,
                    tx-DiversityIndicator FALSE
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}

```

```

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

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```

        modeSpecificInfo fdd : {
            intraFreqMeasQuantity-FDD cpich-RSCP
        }
    },
    intraFreqReportingQuantityForRACH {
        sfn-SFN-OTD-Type noReport,
        modeSpecificInfo fdd : {
            intraFreqRepQuantityRACH-FDD noReport
        }
    },
    maxReportedCellsOnRACH noReport,
    reportingInfoForCellDCH {
        intraFreqReportingQuantity {
            activeSetReportingQuantities {
                sfn-SFN-OTD-Type noReport,
                cellIdentity-reportingIndicator TRUE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd : {
                    cpich-Ec-NO-reportingIndicator FALSE,
                    cpich-RSCP-reportingIndicator TRUE,
                    pathloss-reportingIndicator FALSE
                }
            },
            monitoredSetReportingQuantities {
                sfn-SFN-OTD-Type noReport,
                cellIdentity-reportingIndicator TRUE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd : {
                    cpich-Ec-NO-reportingIndicator FALSE,
                    cpich-RSCP-reportingIndicator TRUE,
                    pathloss-reportingIndicator FALSE
                }
            }
        },
        measurementReportingMode {
            measurementReportTransferMode acknowledgedModeRLC,
            periodicalOrEventTrigger eventTrigger
        },
        reportCriteria intraFreqReportingCriteria : {
            eventCriteriaList {
                {
                    event ela : {
                        triggeringCondition activeSetAndMonitoredSetCells,
                        reportingRange 5,
                        w 1,
                        reportDeactivationThreshold t3,
                        reportingAmount ra-Infinity,
                        reportingInterval ri4
                    },
                    hysteresis 0,
                    timeToTrigger ttt640,
                    reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
                }
            }
        }
    }
}
SysInfoType12
{
    measurementControlSysInfo {
        use-of-HCS hcs-not-used : {
            cellSelectQualityMeasure cpich-RSCP : {
                intraFreqMeasurementSysInfo {
                    intraFreqMeasurementID 1,
                    intraFreqCellInfoSI-List {
                        removedIntraFreqCellList removeNoIntraFreqCells : NULL,
                        newIntraFreqCellList {
                            {
                                intraFreqCellID 0,
                                cellInfo {
                                    cellIndividualOffset 0,
                                    modeSpecificInfo fdd : {
                                        primaryCPICH-Info {
                                            primaryScramblingCode 100
                                        }
                                    }
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```

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

```

```

    },
    intraFreqMeasQuantity {
        filterCoefficient fc0,
        modeSpecificInfo fdd : {
            intraFreqMeasQuantity-FDD cpich-RSCP
        }
    },
    intraFreqReportingQuantityForRACH {
        sfn-SFN-OTD-Type noReport,
        modeSpecificInfo fdd : {
            intraFreqRepQuantityRACH-FDD noReport
        }
    },
    maxReportedCellsOnRACH noReport,
    reportingInfoForCellDCH {
        intraFreqReportingQuantity {
            activeSetReportingQuantities {
                sfn-SFN-OTD-Type noReport,
                cellIdentity-reportingIndicator TRUE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd : {
                    cpich-Ec-NO-reportingIndicator FALSE,
                    cpich-RSCP-reportingIndicator TRUE,
                    pathloss-reportingIndicator FALSE
                }
            },
            monitoredSetReportingQuantities {
                sfn-SFN-OTD-Type noReport,
                cellIdentity-reportingIndicator TRUE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd : {
                    cpich-Ec-NO-reportingIndicator FALSE,
                    cpich-RSCP-reportingIndicator TRUE,
                    pathloss-reportingIndicator FALSE
                }
            }
        },
        measurementReportingMode {
            measurementReportTransferMode acknowledgedModeRLC,
            periodicalOrEventTrigger eventTrigger
        },
        reportCriteria intraFreqReportingCriteria : {
            eventCriteriaList {
                {
                    event ela : {
                        triggeringCondition activeSetAndMonitoredSetCells,
                        reportingRange 5,
                        w 1,
                        reportDeactivationThreshold t3,
                        reportingAmount ra-Infinity,
                        reportingInterval ri4
                    },
                    hysteresis 0,
                    timeToTrigger ttt0,
                    reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
                }
            }
        }
    }
}

```

3GPP TSG- T1 Meeting #14
Sophia Antipolis, France, 21st –22nd February 2002

T1-020101

3GPP TSG- T1 SIG Meeting #21
Sophia Antipolis, France, 18th-20th February 2002

T1S-020020r3

<small>CR-Form-v6.1</small>																								
<h2 style="margin: 0;">CHANGE REQUEST</h2>																								
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%; text-align: right;">⌘</td> <td style="width: 35%;">TS 34.108 CR 088</td> <td style="width: 10%; text-align: center;">⌘ rev</td> <td style="width: 5%; text-align: center;">-</td> <td style="width: 10%; text-align: center;">⌘</td> <td style="width: 25%; text-align: right;">Current version:</td> <td style="width: 10%; text-align: center;">3.6.0</td> <td style="width: 5%; text-align: right;">⌘</td> </tr> <tr> <td></td> <td style="padding-left: 20px;">Spec Title:</td> <td colspan="5">Common Test Environments for User Equipment (UE)</td> <td style="text-align: right;">⌘</td> </tr> <tr> <td></td> <td></td> <td colspan="5">Conformance Testing</td> <td style="text-align: right;">⌘</td> </tr> </table>	⌘	TS 34.108 CR 088	⌘ rev	-	⌘	Current version:	3.6.0	⌘		Spec Title:	Common Test Environments for User Equipment (UE)					⌘			Conformance Testing					⌘
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		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:	⌘ Corrections to 34108-360		
Source:	⌘ MCI, Ericsson		
Work item code:	⌘ 		
	Date: ⌘ 19 th February 2002		
Category:	⌘ F		
	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><i>Use one of the following categories:</i></p> <p>F (correction)</p> <p>A (corresponds to a correction in an earlier release)</p> <p>B (addition of feature),</p> <p>C (functional modification of feature)</p> <p>D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p> </td> <td style="width: 50%; vertical-align: top;"> <p><i>Use one of the following releases:</i></p> <p>2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>REL-4 (Release 4)</p> <p>REL-5 (Release 5)</p> </td> </tr> </table>	<p><i>Use one of the following categories:</i></p> <p>F (correction)</p> <p>A (corresponds to a correction in an earlier release)</p> <p>B (addition of feature),</p> <p>C (functional modification of feature)</p> <p>D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>	<p><i>Use one of the following releases:</i></p> <p>2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>REL-4 (Release 4)</p> <p>REL-5 (Release 5)</p>
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Reason for change:	<p>⌘ Some IEs are missing.</p> <p>In SIB type 11 and 12, IE “Triggering condition 1” is mandatory if IE “Intra-frequency event identity” is set to ‘1b’.</p> <p>Editorial corrections.</p> <p style="background-color: green; color: black; padding: 2px;">Revision 1 is highlighted in green.</p> <p style="background-color: yellow; padding: 2px;">Revision 2 is taken from T1S-020063 by Ericsson and are highlighted in yellow.</p> <p style="background-color: cyan; padding: 2px;">Revision 3 is taken from T1S-020063 by Ericsson and are highlighted in blue.</p>
Summary of change:	<p>⌘ In clause 6.1 and 9, missing IEs are added.</p> <p>In SIB type 11 and 12, the value in IE “Triggering condition 2” has been moved into IE “Triggering condition 1” in the case where IE “Intra-frequency event identity” is set to ‘1b’.</p> <p>The comments in IE “CHOICE Gain Factor” in RABIO BEARER SETUP message and RRC CONNECTION SETUP message have been revised to state that gain factors will not be transmitted to the UE if computed gain factors are used.</p> <p>IE “Power offset Pp-m” is set to “0 dBm”.</p> <p>If IE “CHOICE Gain Factors” is set to “signalled gain factor”, IE “Gain factor βc” shall be set to ‘11’ if the data rate is less than 64 kbps and set to ‘9’ if the data rate is more than 64</p>

kbps. IE "Gain factor •d" shall be set to '15' if IE "CHOICE Gain Factors" is set to "signalled gain factor".

IE "Qhyst2s" is set to "Not Present", as CPICH_RSCP is used as the measurement criteria for cell re-selection.

In SIB type 5, the TFCS representation for PRACH and SCCPCH is changed to 'Complete' from 'Addition'. The number of TB on the PCH only include '0' and '1'.

SIB scheduling has been changed. The current repeat period is 64 frames, instead of 128 and therefore the parameters in MIB and SB1 has been changed.

Value of IE "Primary scrambling code" is set to refer to clause 6.1.

In clause 6.1 and Annex A:

- a) 'CHOICE Logical Channel List' changed from 'All' to 'Configured' in SIB5 and SIB6 messages.
- b) 'CHOICE TFCS representation' changed from "Addition" to "Complete reconfiguration"

Changed 'CHOICE RLC size list' from 'Configured' to 'Explicit List' (as this is the only valid value on RACH) for the following messages:

- 9.1: RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)
- 9.1: RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)
- 9.2: RADIO BEARER SETUP message
- 9.2: RRC CONNECTION SETUP

Consequences if not approved:

⌘ The test procs in TS 34.123-1 cannot test UE correctly.

Clauses affected:

⌘

Other specs affected:

⌘

- Other core specifications
- Test specifications
- O&M Specifications

⌘

Other comments:

⌘

Affects Rel '99 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 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.

Contents of Scheduling Block 1 (FDD)

<ul style="list-style-type: none"> - References to other system information blocks - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB_OFF - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB_OFF - SIB_OFF - SIB type SIBs only - Scheduling information - CHOICE Value tag - PLMN Value tag - SEG_COUNT - SIB_REP - SIB_POS - SIB_POS offset info - SIB type SIBs only 	<ul style="list-style-type: none"> Cell Value tag 1 4 12864 353 2 2 System Information Type 6 Not Present 1 3216 42 Not Present System Information Type 7 Cell Value tag 1 23 12864 413 2 2 System Information Type 11 Cell Value tag 1 23 12864 413 2 2 System Information Type 12 PLMN Value tag 1 1 12864 618 Not Present System Information Type 18
--	--

Contents of Scheduling Block 1 (TDD)

<ul style="list-style-type: none"> - References to other system information blocks - Scheduling information - CHOICE Value tag - Cell Value tag - SEG_COUNT 	<ul style="list-style-type: none"> Cell Value tag 1 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	3
- SIB_REP	128
- SIB_POS	42
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- 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	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	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 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	200
- 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	20
- T314	20 seconds
- T315	30 seconds
- N315	200
- T316	50 seconds
- T317	1800 seconds

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	Not Present
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Qhyst1s	0 dB
- Qhyst2s	0 dB Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	33dBm
- 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	CPICH RSCP
- 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	-115 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}	Not Present
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- Qhyst1s	0 dB
- Qhyst2s	0 dB Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	33dBm
- 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	CPICH RSCP
- 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,SsearchRAT}	Not Present
- Qrxlevmin	-115 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	
- TX Diversity indicator	FALSE
- 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	<u>ALL Configured</u>
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	<u>ConfiguredALL</u>
- 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	<u>CompleteAddition reconfiguration</u>
- TFCS <u>Completeaddition</u> information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- <u>CHOICE Mode</u>	<u>FDD</u>
- Power offset Pp-m	<u>-5-0</u> dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	<u>1011</u>
- Gain factor βd	15
- Reference TFC ID	0
- <u>CHOICE Mode</u>	<u>FDD</u>
- Power offset Pp-m	<u>-50</u> dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	FDD
- CHOICE mode	0 (ASC#2)
- Available signature Start Index	7 (ASC#2)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#4)
- Available signature Start Index	7 (ASC#4)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	
- ASC Setting	FDD
- CHOICE mode	0 (ASC#6)
- Available signature Start Index	7 (ASC#6)
- Available signature End Index	'1111'B
- Assigned Sub-channel Number	
- 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	2
- 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	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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 Addition reconfiguration
- TFCS information	4 bit
- CHOICE CTFC Size	0
- 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	5
- CTFC information	Not Present
- Power offset information	6
- CTFC information	Not Present
- Power offset information	8
- CTFC information	Not Present
- Power offset information	10
- CTFC information	Not Present
- 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
- 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	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
- Block STTD 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	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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)

- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE 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	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

<ul style="list-style-type: none"> - Midamble Shift - Code List - Channelisation Code - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE <i>mode</i> - Channelisation code - Timeslot number - CHOICE Burst Type 	<p>Not Present</p> <p>Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.)</p> <p>Addition</p> <p>Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set</p> <p>Not Present</p> <p>(PCH)</p> <p>Common transport channels (This IE is repeated for TFI number.) Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD Reference clause 6.10 Parameter Set ALL</p> <p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set 12 (for PCH) FALSE (FACH)</p> <p>Common transport channels (This IE is repeated for TFI number.) Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set TDD Reference clause 6.10 Parameter Set ALL</p> <p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set 13 (for FACH) FALSE (FACH)</p> <p>Common transport channels (This IE is repeated for TFI number.) Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set FDD ALL</p> <p>Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set 14 (for FACH) FALSE</p> <p>TDD 16/16 0 Type 1</p>
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- Midamble Shift	0
- 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	
- TX Diversity indicator	FALSE
- 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	<u>ALL Configured</u>
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	<u>ALL Configured</u>
- 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	<u>Complete reconfiguration</u> Addition
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- <u>CHOICE Mode</u>	<u>FDD</u>
- Power offset Pp-m	<u>-50</u> dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor βc	<u>+011</u>
- Gain factor βd	15
- Reference TFC ID	0
- <u>CHOICE Mode</u>	<u>FDD</u>
- Power offset Pp-m	<u>-50</u> dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	

- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#0)
- Available signature End Index	7 (ASC#0)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#2)
- Available signature End Index	7 (ASC#2)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#4)
- Available signature End Index	7 (ASC#4)
- Assigned Sub-channel Number	'1111'B
- 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	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#6)
- Available signature End Index	7 (ASC#6)
- Assigned Sub-channel Number	'1111'B
- 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	Not Present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	2
- 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	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- Secondary CPICH info	Not Present
- 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 Addition
- 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
- CTFC information	10
- 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
- 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	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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- Block STTD 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	(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
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	

- ASC Settings	(ASC#0)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- CHOICE <i>mode</i>	TDD (no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE <i>mode</i>	TDD
- Offset	0
- Common timeslot info	
- 2 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	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	
- 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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	FDD
- 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
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1

- Midamble Shift	0
- 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	
- Qoffset1s,n	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	33 dBm
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- 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	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 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 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	2 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	3
- 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 Not Present
- Triggering condition 2	Not Present 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	3
- 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
- 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	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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False
- 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
- 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	
-SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- 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	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 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	
- 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
- Threshold used frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- Inter-frequency measurement system	Not Present
information	
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system	Not Present
information	
- 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	
- 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 "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	
- Qoffset _{s,n}	0 dB
- Qoffset _{2s,n}	Not Present
- Maximum allowed UL TX power	33dBm
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	-20 dB
- Qrxlevmin	-115 dBm
- 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	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 monitored 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 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	
- 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	3
- 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 Not Present
- Triggering condition 2	Not Present 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	3
- 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
- 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	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	0
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN Indicator	False
- 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

- Burst type	
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not present
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	
Reporting	
-SFN-SFN observed time difference	No report
- CHOICE mode	TDD
- Reporting quantity list	
- Reporting quantity	No report
- 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	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 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	
- 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
- Threshold used frequency	Not Present
- Reporting deactivation threshold	Not Present
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	Infinity
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	2
- Inter-frequency measurement system	Not Present
information	
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system	Not Present
information	

- UE internal measurement system information	Not Present
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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
	Not present
	Not present

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 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
--	---

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
---	---

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
-------------------------------	---

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
---	---

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 6.1.1: 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	dBm	-60

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	dBm	-60	-70

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	-90

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	≤ -122

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”.		

Reference Radio Conditions for signalling test cases only (TDD)

<FFS>

9 Default Message Contents

9.1 Default Message Contents for Signalling

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.

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	0
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	CS domain or PS domain
CN domain identity	See Specific Message Content for each test case
NAS message	

Contents of INITIAL 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	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- Message authentication code	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
- RRC Message sequence number	CS domain or PS domain
CN domain identity	Set to the same octet string as in the IMSI stored in the USIM card
Intra Domain NAS Node Selector	Set according to that indicated in specific message content for each test case
NAS message	
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)

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
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.
<ul style="list-style-type: none"> - Ciphering mode command 	Start/restart
<ul style="list-style-type: none"> - Ciphering algorithm 	Use one of the supported ciphering algorithms
<ul style="list-style-type: none"> - Ciphering activation time for DPCH 	(256+CFN-(CFN MOD 8 + 8))MOD 256
<ul style="list-style-type: none"> - Radio bearer downlink ciphering activation time info 	Not Present
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
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	
<ul style="list-style-type: none"> - RAB information for setup 	
<ul style="list-style-type: none"> - RAB info 	
<ul style="list-style-type: none"> - RAB identity 	0000 0001B
<ul style="list-style-type: none"> - CN domain identity 	CS domain
<ul style="list-style-type: none"> - NAS Synchronization Indicator 	Not Present
<ul style="list-style-type: none"> - Re-establishment timer 	UseT314
<ul style="list-style-type: none"> - RB information to setup 	
<ul style="list-style-type: none"> - RB identity 	10
<ul style="list-style-type: none"> - PDCP info 	Not Present
<ul style="list-style-type: none"> - CHOICE RLC info type 	RLC info
<ul style="list-style-type: none"> - CHOICE Uplink RLC mode 	TM RLC
<ul style="list-style-type: none"> - Transmission RLC discard 	Not Present
<ul style="list-style-type: none"> - Segmentation indication 	FALSE
<ul style="list-style-type: none"> - CHOICE Downlink RLC mode 	TM RLC
<ul style="list-style-type: none"> - Segmentation indication 	FALSE
<ul style="list-style-type: none"> - 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 	Not Present
<ul style="list-style-type: none"> - Number of uplink RLC logical channels 	1
<ul style="list-style-type: none"> - Uplink transport channel type 	DCH
<ul style="list-style-type: none"> - UL Transport channel identity 	1
<ul style="list-style-type: none"> - Logical channel identity 	Not Present
<ul style="list-style-type: none"> - CHOICE RLC size list 	Configured
<ul style="list-style-type: none"> - MAC logical channel priority 	1
<ul style="list-style-type: none"> - Downlink RLC logical channel info 	
<ul style="list-style-type: none"> - Number of downlink RLC logical channels 	1
<ul style="list-style-type: none"> - Downlink transport channel type 	DCH
<ul style="list-style-type: none"> - DL DCH Transport channel identity 	6
<ul style="list-style-type: none"> - DL DSCH Transport channel identity 	Not Present
<ul style="list-style-type: none"> - Logical channel identity 	Not Present
<ul style="list-style-type: none"> - RB identity 	11
<ul style="list-style-type: none"> - PDCP info 	Not Present
<ul style="list-style-type: none"> - CHOICE RLC info type 	RLC info
<ul style="list-style-type: none"> - CHOICE Uplink RLC mode 	TM RLC
<ul style="list-style-type: none"> - Transmission RLC discard 	Not Present
<ul style="list-style-type: none"> - Segmentation indication 	FALSE
<ul style="list-style-type: none"> - CHOICE Downlink RLC mode 	TM RLC

Information Element	Value/remark
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	2
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	1
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	7
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	12
- RB identity	Not Present
- PDCP info	RLC info
- CHOICE RLC info type	TM RLC
- CHOICE Uplink RLC mode	Not Present
- Transmission RLC discard	FALSE
- Segmentation indication	TM RLC
- CHOICE Downlink RLC mode	FALSE
- Segmentation indication	
- RB mapping info	
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of uplink RLC logical channels	DCH
- Uplink transport channel type	3
- UL Transport channel identity	Not Present
- Logical channel identity	Configured
- CHOICE RLC size list	1
- MAC logical channel priority	
- Downlink RLC logical channel info	1
- Number of downlink RLC logical channels	DCH
- Downlink transport channel type	8
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport channels	
- PRACH TFCS	Not Present
- CHOICE mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure information	
- CHOICE CTFC Size	
- CTFC information	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10
- CTFC	Reference to TS34.108 clause 6.10 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Computed Signalled Gain Factors)
- Gain factor •c	11 (below 64 kbps)
- Gain factor •d	9 (higher than 64 kbps) TBD
- Reference TFC ID	(Not Present if the above is set to Computed Signalled Gain Factors)
- CHOICE mode	TBD15
- Reference TFC ID	(Not Present if the above is set to Computed Signalled Gain Factors)
- CHOICE mode	0
- Reference TFC ID	FDD
- CHOICE mode	

Information Element	Value/remark
- Power offset P _{p-m}	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
- 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	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

Information Element	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 - 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 	DCH 6 Same as UL DCH 1 -6.3 Not Present DCH 7 Same as UL DCH 2 Not Present Not Present DCH 8 Same as UL DCH 3 Not Present Not Present
Frequency info	
<ul style="list-style-type: none"> - UARFCN uplink(Nu) - UARFCN downlink(Nd) 	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
<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 	-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	FDD
<ul style="list-style-type: none"> - Downlink PDSCH information 	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 	Maintain Not Present 0 (single) FDD 0 Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Not Present None Not Present Not Present
Downlink information 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 	FDD Reference to clause 6.1 "Default settings (FDD)" 400

Information Element	Value/remark
- 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
- SSST 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 (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 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
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
- 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
- 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

Information Element	Value/remark
- 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
- 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 Configured
- 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	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present 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
- CTFC	Reference to TS34.108 clause 6.10 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Computed Signalled Gain Factors)
- Gain factor •c	11 (below 64 kbps)
- Gain factor •d	9 (higher than 64 kbps) TBD
- Reference TFC ID	(Not Present if the above is set to Computed Signalled Gain Factors)
- CHOICE mode	TBD 15
- Power offset P _{p-m}	(Not Present if the above is set to Computed Signalled 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	DCH
- TFS	1
- 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	

Information Element	Value/remark
<ul style="list-style-type: none"> - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size 	<p>Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set</p>
<p>CHOICE mode</p> <ul style="list-style-type: none"> - CPCH set ID - Added or Reconfigured TrCH information for 	<p>FDD Not Present Not Present</p>
<p>DRAC list DL Transport channel information common for all transport channel</p>	
<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 	<p>Not Present FDD Explicit Normal Complete reconfiguration</p>
<ul style="list-style-type: none"> - CTFC - Power offset information - CHOICE Gain Factors 	<p>This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10 Reference to TS34.108 clause 6.10 Parameter Set</p>
<ul style="list-style-type: none"> - Gain factor •c 	<p>Computed Gain Factors(The last TFC is set to ComputedSignalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) TBD (Not Present if the above is set to ComputedSignalled Gain Factors)</p>
<ul style="list-style-type: none"> - Gain factor •d - Reference TFC ID - CHOICE mode - Power offset P p-m 	<p>TBD15 (Not Present if the above is set to ComputedSignalled Gain Factors) 0 FDD Not Present Not Present</p>
<p>Deleted TrCH information list Added or Reconfigured TrCH information list</p>	
<ul style="list-style-type: none"> - Added or Reconfigured DL TrCH information - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS 	<p>DCH 6 Explicit</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 - Semi-static Transport Format information 	<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</p>
<ul style="list-style-type: none"> - 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 -6.3 Not Present</p>
<p>Frequency info</p> <ul style="list-style-type: none"> - UARFCN uplink(Nu) - UARFCN downlink(Nd) 	<p>Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies 33dBm</p>
<p>CHOICE channel requirement</p> <ul style="list-style-type: none"> - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay 	<p>Uplink DPCH info -6dB 1 frame 7 frames</p>

Information Element	Value/remark
<ul style="list-style-type: none"> - 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 	Algorithm1 1dB Long 0 (0 to 16777215) Not Present(1) Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	FDD
<ul style="list-style-type: none"> - Downlink PDSCH information 	Not Present
Downlink information common for all radio links	
<ul style="list-style-type: none"> - Downlink DPCH info common for all RL 	
<ul style="list-style-type: none"> - Timing indicator 	Maintain
<ul style="list-style-type: none"> - CFN-targetSFN frame offset 	Not Present
<ul style="list-style-type: none"> - Downlink DPCH power control information 	
<ul style="list-style-type: none"> - DPC mode 	0 (single)
<ul style="list-style-type: none"> - CHOICE mode 	FDD
<ul style="list-style-type: none"> - Power offset $P_{Pilot-DPDCH}$ 	0
<ul style="list-style-type: none"> - DL rate matching restriction information 	Not Present
<ul style="list-style-type: none"> - Spreading factor 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Fixed or Flexible Position 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - TFCI existence 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - CHOICE SF 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - DPCH compressed mode info 	Not Present
<ul style="list-style-type: none"> - TX Diversity mode 	None
<ul style="list-style-type: none"> - SSDT information 	Not Present
<ul style="list-style-type: none"> - Default DPCH Offset Value 	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 	FDD
<ul style="list-style-type: none"> - Primary CPICH info 	Reference to clause 6.1 "Default settings (FDD)" 499
<ul style="list-style-type: none"> - Primary scrambling code 	Not Present
<ul style="list-style-type: none"> - PDSCH with SHO DCH info 	Not Present
<ul style="list-style-type: none"> - PDSCH code mapping 	Not Present
<ul style="list-style-type: none"> - Downlink DPCH info for each RL 	
<ul style="list-style-type: none"> - Primary CPICH usage for channel estimation 	Primary CPICH may be used
<ul style="list-style-type: none"> - DPCH frame offset 	0 chips
<ul style="list-style-type: none"> - Secondary CPICH info 	Not Present
<ul style="list-style-type: none"> - DL channelisation code 	1
<ul style="list-style-type: none"> - Secondary scrambling code 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Spreading factor 	0
<ul style="list-style-type: none"> - Code number 	No change
<ul style="list-style-type: none"> - Scrambling code change 	0
<ul style="list-style-type: none"> - TPC combination index 	0
<ul style="list-style-type: none"> - SSDT Cell Identity 	Not Present
<ul style="list-style-type: none"> - Closed loop timing adjustment mode 	Not Present
<ul style="list-style-type: none"> - 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>FDD</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>FDD</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) Establishment cause Protocol error indicator Measured results on RACH	Set to the UE's IMSI (GSM-MAP) or TMSI. To be checked against requirement if specified FALSE Not checked

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type U-RNTI - SRNC identity - S-RNTI RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number N308 Release cause Rplmn information	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent. 0000 0000 0001B 0000 0000 0000 0000 0001B 0 The presence of this IE depends on 2 factors: (a) Ixit statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number Error indication	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. The 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 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	0000 0000 0000 0001B
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	1
- CHOICE RLC info type	
- RLC info	UM RLC
- CHOICE Uplink RLC mode	
- Transmission RLC discard	
- SDU discard mode	Timer based no explicit
- Timer discard	50
- 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 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	2
- CHOICE RLC info type	
- RLC info	AM RLC
- CHOICE Uplink RLC mode	
- 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

Information Element	Value/remark
- Timer_poll	200
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- 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
- 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	Configured 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	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	3
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- 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
- 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

Information Element	Value/remark
- Missing PDU indicator	TRUE
- RB mapping info	2 RBMuxOptions
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of RLC logical channels	DCH
- Uplink transport channel type	5
- UL Transport channel identity	3
- Logical channel identity	Configured
- CHOICE RLC size list	3
- MAC logical channel priority	1
- Downlink RLC logical channel info	DCH
- Number of RLC logical channels	10
- Downlink transport channel type	Not Present
- DL DCH Transport channel identity	3
- 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	3
- CHOICE RLC size list	Configured Explicit list
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	1
- Number of RLC logical channels	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	4
- CHOICE RLC info type	AM RLC
- RLC info	AM RLC
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	Max DAT retransmissions
- SDU discard mode	4
- MAX_DAT	100
- Timer_MRW	4
- MaxMRW	4
- Transmission window size	8
- Timer_RST	500
- Max_RST	4
- Polling info	200
- Timer_poll_prohibit	200
- Timer_poll	1
- Poll_SDU	TRUE
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	99
- Poll_Windows	AM RLC
- CHOICE Downlink RLC mode	TRUE
- In-sequence delivery	8
- Receiving window size	200
- Downlink RLC status info	200
- Timer_status_prohibit	TRUE
- Timer_EPC	TRUE
- Missing PDU indicator	TRUE
- RB mapping info	2 RBMuxOptions
- Information for each multiplexing option	Not Present
- RLC logical channel mapping indicator	1
- Number of RLC logical channels	DCH
- Uplink transport channel type	5
- UL Transport channel identity	4
- Logical channel identity	Configured
- CHOICE RLC size list	4
- MAC logical channel priority	4
- Downlink RLC logical channel info	

Information Element	Value/remark
<ul style="list-style-type: none"> - Number of RLC logical channels 	1
<ul style="list-style-type: none"> - Downlink transport channel type 	DCH
<ul style="list-style-type: none"> - DL DCH Transport channel identity 	10
<ul style="list-style-type: none"> - DL DSCH Transport channel identity 	Not Present
<ul style="list-style-type: none"> - Logical channel identity 	4
<ul style="list-style-type: none"> - RLC logical channel mapping indicator 	Not Present
<ul style="list-style-type: none"> - Number of RLC logical channels 	1
<ul style="list-style-type: none"> - Uplink transport channel type 	RACH
<ul style="list-style-type: none"> - UL Transport channel identity 	Not Present
<ul style="list-style-type: none"> - Logical channel identity 	4
<ul style="list-style-type: none"> - CHOICE RLC size list 	Configured Explicit list
<ul style="list-style-type: none"> - RLC size index 	Reference to TS34.108 clause 6 Parameter Set
<ul style="list-style-type: none"> - MAC logical channel priority 	5
<ul style="list-style-type: none"> - Downlink RLC logical channel info 	
<ul style="list-style-type: none"> - Number of RLC logical channels 	1
<ul style="list-style-type: none"> - Downlink transport channel type 	FACH
<ul style="list-style-type: none"> - DL DCH Transport channel identity 	Not Present
<ul style="list-style-type: none"> - DL DSCH Transport channel identity 	Not Present
<ul style="list-style-type: none"> - Logical channel identity 	4
<p>UL Transport channel information for all transport channels</p>	
<ul style="list-style-type: none"> - PRACH TFCS 	Not Present
<ul style="list-style-type: none"> - CHOICE Mode 	FDD
<ul style="list-style-type: none"> - TFC subset 	Not Present
<ul style="list-style-type: none"> - UL DCH TFCS 	
<ul style="list-style-type: none"> - CHOICE TFCI signalling 	Normal
<ul style="list-style-type: none"> - TFCI Field 1 information 	
<ul style="list-style-type: none"> - CHOICE TFCS representation 	Addition
<ul style="list-style-type: none"> - TFCS complete reconfigure 	
<ul style="list-style-type: none"> - CHOICE CTFC Size 	2bit CTFC
<ul style="list-style-type: none"> - CTFC information 	This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10
<ul style="list-style-type: none"> - CTFC 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Power offset information 	
<ul style="list-style-type: none"> - CHOICE Gain Factors 	Computed Gain Factors(The last TFC is set to
<ul style="list-style-type: none"> - Gain factor β_c 	Computed Signalled Gain Factors)
<ul style="list-style-type: none"> - Gain factor β_d 	11 (below 64 kbps)
<ul style="list-style-type: none"> - Reference TFC ID 	9 (higher than 64 kbps) TBD
<ul style="list-style-type: none"> - CHOICE mode 	(Not Present if the above is set to Computed Signalled Gain Factors)
<ul style="list-style-type: none"> - Power offset Pp-m 	TBD15
<ul style="list-style-type: none"> - Added or Reconfigured UL TrCH information 	(Not Present if the above is set to Computed Signalled Gain Factors)
<ul style="list-style-type: none"> - Uplink transport channel type 	DCH
<ul style="list-style-type: none"> - UL Transport channel identity 	5
<ul style="list-style-type: none"> - TFS 	
<ul style="list-style-type: none"> - CHOICE Transport channel type 	Dedicated transport channels
<ul style="list-style-type: none"> - Dynamic Transport format information 	
<ul style="list-style-type: none"> - RLC size 	Reference to clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Number of TBs and TTI lists 	(This IE is repeated for TFI number)
<ul style="list-style-type: none"> - Transmission Time Interval 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Number of Transport blocks 	Reference to TS34.108 clause 6.10 Parameter Set
<ul style="list-style-type: none"> - CHOICE Logical channel list 	All
<ul style="list-style-type: none"> - Semi-static Transport Format information 	
<ul style="list-style-type: none"> - Transmission time interval 	Reference to clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Type of channel coding 	Reference to clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Coding Rate 	Reference to clause 6.10 Parameter Set
<ul style="list-style-type: none"> - Rate matching attribute 	Reference to clause 6.10 Parameter Set
<ul style="list-style-type: none"> - CRC size 	Reference to clause 6.10 Parameter Set
<p>DL Transport channel information common for all transport channel</p>	
<ul style="list-style-type: none"> - SCCPCH TFCS 	Not Present
<ul style="list-style-type: none"> - CHOICE mode 	FDD

Information Element	Value/remark
- 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	-6.3
- BLER Quality value	Not Present
- Transparent mode signalling info	
Frequency info	
- UARFCN uplink(Nu)	Reference to clause 5.1 Test frequencies
- UARFCN downlink(Nd)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	33dBm
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
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	Initialise
- Timing Indication	0
- CFN-targetSFN frame offset	FDD
- CHOICE mode	
- Downlink DPCH power control information	
- DPC mode	0 (single)
- 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	0
Downlink information for each radio links list	
- Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	Reference to clause 6.1 "Default settings (FDD)" 403
- Primary scrambling code	Not Present
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	0 chips
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	Reference to 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 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 Integrity check info - Message authentication code - RRC Message sequence number Uplink integrity protection activation info Radio bearer uplink ciphering activation time info	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink SECURITY MODE COMMAND message. The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value. Not checked. If ciphering is not activated in SECURITY MODE COMMAND message, this IE must be absent. Else, SS checks this IE for the presence of activation times for all ciphered uplink RLC-UM and RLC-AM RBs.

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type Integrity check info - Message authentication code - RRC Message sequence number CN domain identity NAS message 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 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 Skip indicator Message Type	F (Length 1/2) 0 (Length 1/2) 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 - Ciphering mode command - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info Activation time New U-RNTI New C-RNTI 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 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted. Start/restart Use one of the supported ciphering algorithms (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present (256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present Not Present CELL_DCH Not Present Not Present Not Present Not Present
RAB information for setup - RAB info - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - 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 1 1 DCH 6 Not Present Not Present
RAB information for setup - RAB info - RAB identity	A3	0000 0101B

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - 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 - Transmission RLC discard - SDU discard mode - MAX_DAT - Timer_MRW - MaxMRW - 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 - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_EPC - Missing PDU indicator - 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 - 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>PS domain Not Present UseT314</p> <p>20 Not Present RLC info AM RLC</p> <p>Max DAT retransmissions 4 100 4 8 500 4</p> <p>200 200 1 TRUE TRUE 99 AM RLC TRUE 8</p> <p>200 200 TRUE</p> <p>2RBMuxOptions Not Present 1 DCH 1 Not Present Configured 1</p> <p>1 DCH 6 Not Present Not Present 1 RACH Not Present 7 Configured 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 Downlink counter synchronisation info</p>	<p>A1,A3</p>	<p>Not Present Not Present</p>
<p>UL Transport channel information for all transport channels</p> <ul style="list-style-type: none"> - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS 	<p>A1,A3</p>	<p>Not Present FDD Not Present</p>

Information Element	Condition	Value/remark
<ul style="list-style-type: none"> - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size <ul style="list-style-type: none"> - ctfc2Bit - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -computedGainFactors - Reference TFC ID - ctfc2 <ul style="list-style-type: none"> -powerOffsetInformation(OP) -gainFactorInformation <ul style="list-style-type: none"> -signalledGainFactors -modeSpecificInfo <ul style="list-style-type: none"> -fdd <ul style="list-style-type: none"> - Gain factor βc - Gain factor βd - Reference TFC ID 		Normal Complete reconfiguration ctfc2Bit 4 0 ComputedGainFactors 0 0 2 computedGainFactors 0 0 1 computedGainFactors 0 0 3 signalledGainFactors fdd 8 15 0 Not Present
Deleted UL TrCH information Added or Reconfigured UL TrCH information <ul style="list-style-type: none"> -ul-AddReconfTransChInfoList - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type <ul style="list-style-type: none"> TTI <ul style="list-style-type: none"> -tti20 <ul style="list-style-type: none"> -DedicatedDynamicTF-Info <ul style="list-style-type: none"> - RLC size <ul style="list-style-type: none"> - BitMode <ul style="list-style-type: none"> -sizeType2 <ul style="list-style-type: none"> -Part1 -Part2 -numberOfTbSizeList <ul style="list-style-type: none"> -NumberOfTransportBlocks <ul style="list-style-type: none"> -zero -NumberOfTransportBlocks <ul style="list-style-type: none"> -one -logicalChannelList <ul style="list-style-type: none"> -allSizes -semistaticTF-Information <ul style="list-style-type: none"> -channelCodingType <ul style="list-style-type: none"> -convolutional - Rate matching attribute - CRC size 	A1, A3	1 DCH 1 Dedicated transport channels tti20 1 BitMode sizeType2 ((Part1*8)+128+Part2=244bit) 14 4 2 zero one allSizes convolutional third 256 16
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	A1,A3	Not Present

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information -dl-AddReconfTransChInfoList(OP) - 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		1 DCH 6 Same as UL DCH 1 -6.3 Not Present
Frequency info - UARFCN uplink(Nu) - UARFCN downlink(Nd) Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode - Downlink PDSCH information	A1,A3	Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies 33dBm Uplink DPCH info -6dB 1 frame 7 frames Algorithm1 1dB Long 0 (0 to 16777215) 1 64 TRUE Not Present(0) 1 FDD Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Power offset $P_{Pilot-DPCH}$ - DL rate matching restriction information - Spreading factor - Number of bits for Pilot bits(SF=128,256) - Fixed or Flexible Position - TFCI existence - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value	A1,A3	Maintain Not Present 0 (single) FDD 0 Not Present 128 8 Fixed TRUE Not Present None Not Present Not Present
Downlink information for each radio link list - 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,A3	100 Not Present Not Present 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 - SRNC identity - S-RNTI RRC transaction identifier Integrity check info - Message authentication code - RRC Message sequence number N308 Release cause Rplmn information	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent. 0000 0000 0001B 0000 0000 0000 0000 0001B 0 The presence of this IE depends on 2 factors: (a) I XIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. (b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted. SS calculates the value of MAC-I for this message and writes to this IE. SS provides the value of this IE, from its internal counter. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states). Normal event Not Present

Contents of RRC CONNECTION 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	0
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_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	1
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	
- SDU discard mode	Timer based no explicit
Timer discard	50
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	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
- RLC logical channel mapping indicator	Not Present
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	2
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- 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
- 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
- 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	Configured 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	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	3
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	Max DAT retransmissions

Information Element	Value/remark
- 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
- 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
- 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	Configured
- RLC size index	Explicit List
- 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	4
- 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

Information Element	Value/remark
- 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
- 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
- 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	Configured
- RLC size index	Explicit List
- 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	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure	
- CHOICE CTFC Size	ctfc2Bit

Information Element	Value/remark
- ctfc2Bit	2
- ctfc2	0
-powerOffsetInformation(OP)	computedGainFactors
-gainFactorInformation	0
-computedGainFactors	0
-powerOffsetPp-m(OP)	1
- ctfc2	1
-powerOffsetInformation(OP)	signalledGainFactors
-gainFactorInformation	signalledGainFactors
-signalledGainFactors	fdd
-modeSpecificInfo	fdd
-fdd	15
- Gain factor β_c	15
- Gain factor β_d	0
- Reference TFC ID	0
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information	
-ul-AddReconfTransChInfoList	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	Dedicated transport channels
- CHOICE Transport channel type	tti40
TTI	1
-tti40	1
-DedicatedDynamicTF-Info	octetModeType1 ((8*sizeType1)+16=96bit)
- RLC size	sizeType1
-octetModeType1	10
-sizeType1	2
-numberOfTbSizeList	zero
-NumberOfTransportBlocks	zero
-zero	one
-NumberOfTransportBlocks	one
-one	allSizes
-logicalChannelList	allSizes
-allSizes	convolutional
-semistaticTF-Information	convolutional
-channelCodingType	third
-convolutional	256
- Rate matching attribute	256
- CRC size	crc12
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	
-dl-AddReconfTransChInfoList	1
- 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	-6.3
- BLER Quality value	-6.3
- Transparent mode signalling info	Not Present
Frequency info	
- UARFCN uplink(Nu)	Reference to clause 5.1 Test frequencies
- UARFCN downlink(Nd)	Reference to clause 5.1 Test frequencies

Information Element	Value/remark
Maximum allowed UL TX power	33dBm
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	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	0
- CHOICE mode	FDD
- Downlink DPCH power control information	
- DPC mode	0 (single)
- Power offset $P_{Pilot-DPDCH}$	0
- DL rate matching restriction information	Not Present
- Spreading factor	256
- Number of bits for Pilot bits(SF=128,256)	8
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	0
Downlink information for each 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	
- 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	256
- 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 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	000000000000010B (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

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

Reference: clause 6.1.

```

MasterInformationBlock
mib-ValueTag 1,
plmn-Type {
    gsm-MAP {
        plmn-Identity {
            mcc {
                MCC 0,
                MCC 0,
                MCC 1
            },
            mnc {
                MNC 1
            }
        }
    }
},
sibSb-ReferenceList {
    SIBSb-ReferenceList {
        sibSb-Type sysInfoTypeSB1 1,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep16 1
                }
            }
        }
    },
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType1 2,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep128 5
                }
            }
        }
    },
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType2 2,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep128 7
                }
            }
        }
    },
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType3 1,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep64 3
                }
            }
        }
    },
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType4 1,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep64 19
                }
            }
        }
    }
}

```

```

    }
  }
}

SysInfoTypeSB1
{
  sib-ReferenceList {
    {
      sib-Type sysInfoType5 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos repl28 : 13,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType6 : 1,
      scheduling {
        scheduling {
          segCount 3,
          sib-Pos repl28 : 21,
          sib-PosOffsetInfo {
            so2,
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType7 : NULL,
      scheduling {
        scheduling {
          segCount 1,
          sib-Pos repl28 : 11
        }
      }
    },
    {
      sib-Type sysInfoType11 : 1,
      scheduling {
        scheduling {
          segCount 2,
          sib-Pos repl28 : 29,
          sib-PosOffsetInfo {
            so2
          }
        }
      }
    },
    {
      sib-Type sysInfoType12 : 1,
      scheduling {
        scheduling {
          segCount 2,
          sib-Pos repl28 : 53,
          sib-PosOffsetInfo {
            so2
          }
        }
      }
    }
  }
}

SysInfoType1
{
  cn-CommonGSM-MAP-NAS-SysInfo '00 80'H,
  cn-DomainSysInfoList {
    {
      cn-DomainIdentity ps-domain,
      cn-Type gsm-MAP : '00 00'H,

```

```

        cn-DRX-CycleLengthCoeff 7
    },
    {
        cn-DomainIdentity cs-domain,
        cn-Type gsm-MAP : '1E 01'H,
        cn-DRX-CycleLengthCoeff 7
    }
},
ue-ConnTimersAndConstants {
    t-301 ms2000,
    n-301 2,
    t-302 ms4000,
    n-302 3,
    t-304 ms1000,
    n-304 3,
    t-305 m60,
    t-307 s50,
    t-308 ms320,
    t-309 8,
    t-310 ms320,
    n-310 5,
    t-311 ms500,
    t-312 5,
    n-312 s200,
    t-313 10,
    n-313 s20,
    t-314 s20,
    t-315 s30,
    n-315 s200,
    t-316 s50,
    t-317 s1800
},
ue-IdleTimersAndConstants {
    t-300 ms400,
    n-300 7,
    t-312 10,
    n-312 s200
}
}

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

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

```

```

        hcs-PRIO 0,
        q-HCS 0,
        t-CR-Max notUsed : NULL
    },
    maxAllowedUL-TX-Power 33
},
cellAccessRestriction {
    cellBarred notBarred : NULL,
    cellReservedForOperatorUse notReserved,
    cellReservationExtension notReserved,
    accessClassBarredList {
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred
    }
}
}
}

SysInfoType4
{
    cellIdentity '00000000 00000000 00000000 0001'B,
    cellSelectReselectInfo {
        mappingInfo {
            {
                rat ultra-FDD,
                mappingFunctionParameterList {
                    {
                        functionType linear,
                        mapParameter1 1,
                        mapParameter2 1,
                        upperLimit 1
                    }
                }
            }
        },
        cellSelectQualityMeasure cpich-Ec-N0 : {
            q-HYST-2-S 0
        },
        modeSpecificInfo fdd : {
            s-Intrasearch 8,
            s-Intersearch 8,
            s-SearchHCS 5,
            q-QualMin -20,
            q-RxlevMin -58
        },
        q-Hyst-1-S 0,
        t-Reselection-S 0,
        hcs-ServingCellInformation {
            hcs-PRIO 0,
            q-HCS 0,
            t-CR-Max notUsed : NULL
        },
        maxAllowedUL-TX-Power 33
    },
    cellAccessRestriction {
        cellBarred notBarred : NULL,
        cellReservedForOperatorUse notReserved,
        cellReservationExtension notReserved,
        accessClassBarredList {
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred,
            notBarred
        }
    }
}
}
}

```



```

        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred,
        notBarred
    }
}
}
SysInfoType5
{
    sib6indicator TRUE,
    pich-PowerOffset -5,
    modeSpecificInfo fdd : {
        aich-PowerOffset 0
    },
    primaryCCPCH-Info fdd : {
        tx-DiversityIndicator FALSE
    },
    prach-SystemInformationList {
        {
            prach-RACH-Info {
                modeSpecificInfo fdd : {
                    availableSignatures '00000000 11111111'B,
                    availableSF sfpr64,
                    preambleScramblingCodeWordNumber 0,
                    puncturingLimit p11,
                    availableSubChannelNumbers '11111111 1111'B
                }
            },
            transportChannelIdentity 15,
            rach-TransportFormatSet commonTransChTFS : {
                tti tti20 : {
                    {
                        rlc-Size fdd : {
                            octetModeRLC-SizeInfoType2 sizeType1 : 15
                        },
                        numberOfTbSizeList {
                            one : NULL
                        },
                        logicalChannelList allSizes-configured : NULL
                    },
                    {
                        rlc-Size fdd : {
                            octetModeRLC-SizeInfoType2 sizeType2 : 3
                        },
                        numberOfTbSizeList {
                            one : NULL
                        },
                        logicalChannelList allSizes-configured : NULL
                    }
                },
                semistaticTF-Information {
                    channelCodingType convolutional : half,
                    rateMatchingAttribute 150,
                    crc-Size crc16
                }
            },
            rach-TFCS normalTFCSI-Signalling : complete : {
                ctfcSize ctfc2Bit : {
                    {
                        ctfc2 0,
                        powerOffsetInformation {
                            gainFactorInformation computedGainFactors : 0,
                            powerOffsetPp-m -5
                        }
                    },
                    {
                        ctfc2 1,
                        powerOffsetInformation {
                            gainFactorInformation signalledGainFactors : {
                                modeSpecificInfo fdd : {
                                    gainFactorBetaC 10
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```

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

```

```

    3,
    2,
    1,
    0
  },
  modeSpecificInfo fdd : {
    primaryCPiCH-TX-Power 31,
    constantValue -10,
    prach-PowerOffset {
      powerRampStep 3,
      preambleRetransMax 2
    },
    rach-TransmissionParameters {
      mmax 2,
      nb01Min 3,
      nb01Max 10
    },
    aich-Info {
      channelisationCode256 3,
      sttd-Indicator FALSE,
      aich-TransmissionTiming e0
    }
  }
},
sCCPCH-SystemInformationList {
  {
    secondaryCCPCH-Info {
      modeSpecificInfo fdd : {
        pCPiCH-UsageForChannelEst maybeUsed,
        sttd-Indicator FALSE,
        sf-AndCodeNumber sf64 : 1,
        pilotSymbolExistence FALSE,
        tfci-Existence TRUE,
        positionFixedOrFlexible flexible,
        timingOffset 0
      }
    },
    tfcs normalTFci-Signalling : complete : {
      ctfcSize ctfc4Bit : {
        {
          ctfc4 0
        },
        {
          ctfc4 1
        },
        {
          ctfc4 2
        },
        {
          ctfc4 3
        },
        {
          ctfc4 4
        },
        {
          ctfc4 5
        },
        {
          ctfc4 6
        },
        {
          ctfc4 8
        },
        {
          ctfc4 10
        }
      }
    }
  },
  fach-PCH-InformationList {
    {
      transportFormatSet commonTransChTFS : {
        tti ttI10 : {
          {
            rlc-Size fdd : {
              octetModeRLC-SizeInfoType2 sizeType1 : 24
            },
            numberOfTbSizeList {

```

```

        zero : NULL,
        one  : NULL
    },
    logicalChannelList allSizes : NULL
  },
  semistaticTF-Information {
    channelCodingType convolutional : half,
    rateMatchingAttribute 230,
    crc-Size crcl6
  },
  transportChannelIdentity 12,
  ctch-Indicator FALSE
},
{
  transportFormatSet commonTransChTFS : {
    tti tti10 : {
      {
        rlc-Size fdd : {
          octetModeRLC-SizeInfoType2 sizeType1 : 15
        },
        numberOfTbSizeList {
          zero : NULL,
          one  : NULL,
          small : 2,
          small : 3
        },
        logicalChannelList allSizes : NULL
      },
      semistaticTF-Information {
        channelCodingType convolutional : half,
        rateMatchingAttribute 220,
        crc-Size crcl6
      }
    },
    transportChannelIdentity 13,
    ctch-Indicator FALSE
  },
  {
    transportFormatSet commonTransChTFS : {
      tti tti10 : {
        {
          rlc-Size fdd : {
            octetModeRLC-SizeInfoType2 sizeType2 : 3
          },
          numberOfTbSizeList {
            zero : NULL,
            one  : NULL
          },
          logicalChannelList allSizes : NULL
        },
        semistaticTF-Information {
          channelCodingType turbo : NULL,
          rateMatchingAttribute 130,
          crc-Size crcl6
        }
      },
      transportChannelIdentity 14,
      ctch-Indicator FALSE
    },
    pich-Info fdd : {
      channelisationCode256 2,
      pi-CountPerFrame e18,
      sttd-Indicator FALSE
    }
  }
}

SysInfoType6
{
  pich-PowerOffset -5,
  modeSpecificInfo fdd : {
    aich-PowerOffset 0
  }
}

```

```

},
primaryCCPCH-Info fdd : {
    tx-DiversityIndicator FALSE
},
prach-SystemInformationList {
    {
        prach-RACH-Info {
            modeSpecificInfo fdd : {
                availableSignatures '00000000 11111111'B,
                availableSF sfpr64,
                preambleScramblingCodeWordNumber 0,
                puncturingLimit p11,
                availableSubChannelNumbers '11111111 1111'B
            }
        },
        transportChannelIdentity 15,
        rach-TransportFormatSet commonTransChTFS : {
            tti tti20 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    },
                    numberOfTbSizeList {
                        one : NULL
                    },
                    logicalChannelList allSizes-configured : NULL
                },
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType2 : 3
                    },
                    numberOfTbSizeList {
                        one : NULL
                    },
                    logicalChannelList allSizes-configured : NULL
                }
            },
            semistaticTF-Information {
                channelCodingType convolutional : half,
                rateMatchingAttribute 150,
                crc-Size crc16
            }
        },
        rach-TFCS normalTFCI-Signalling : complete : {
            ctfcSize ctfc2Bit : {
                {
                    ctfc2 0,
                    powerOffsetInformation {
                        gainFactorInformation computedGainFactors : 0,
                        powerOffsetPp-m -5
                    }
                },
                {
                    ctfc2 1,
                    powerOffsetInformation {
                        gainFactorInformation signalledGainFactors : {
                            modeSpecificInfo fdd : {
                                gainFactorBetaC 10
                            },
                            gainFactorBetaD 15,
                            referenceTFC-ID 0
                        },
                        powerOffsetPp-m -5
                    }
                }
            }
        },
        prach-Partitioning fdd : {
            {
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                }
            },
            {
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,

```

```

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

```

```

modeSpecificInfo fdd : {
    pCPICH-UsageForChannelEst maybeUsed,
    sttd-Indicator FALSE,
    sf-AndCodeNumber sf64 : 1,
    pilotSymbolExistence FALSE,
    tfci-Existence TRUE,
    positionFixedOrFlexible flexible,
    timingOffset 0
}
},
tfcs normalTFCI-Signalling : complete : {
    ctfcSize ctfc4Bit : {
        {
            ctfc4 0
        },
        {
            ctfc4 1
        },
        {
            ctfc4 2
        },
        {
            ctfc4 3
        },
        {
            ctfc4 4
        },
        {
            ctfc4 5
        },
        {
            ctfc4 6
        },
        {
            ctfc4 8
        },
        {
            ctfc4 10
        }
    }
},
fach-PCH-InformationList {
    {
        transportFormatSet commonTransChTFS : {
            tti tti10 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 24
                    },
                    numberOfTbSizeList {
                        zero : NULL,
                        one : NULL
                    },
                    logicalChannelList allSizes : NULL
                }
            },
            semistaticTF-Information {
                channelCodingType convolutional : half,
                rateMatchingAttribute 230,
                crc-Size crcl6
            }
        },
        transportChannelIdentity 12,
        ctch-Indicator FALSE
    },
    {
        transportFormatSet commonTransChTFS : {
            tti tti10 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    },
                    numberOfTbSizeList {
                        zero : NULL,
                        one : NULL,
                        small : 2,
                        small : 3
                    }
                },
            }
        }
    }
}

```



```

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

```

```

        modeSpecificInfo fdd : {
            intraFreqMeasQuantity-FDD cpich-RSCP
        }
    },
    intraFreqReportingQuantityForRACH {
        sfn-SFN-OTD-Type noReport,
        modeSpecificInfo fdd : {
            intraFreqRepQuantityRACH-FDD noReport
        }
    },
    maxReportedCellsOnRACH noReport,
    reportingInfoForCellDCH {
        intraFreqReportingQuantity {
            activeSetReportingQuantities {
                sfn-SFN-OTD-Type noReport,
                cellIdentity-reportingIndicator TRUE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd : {
                    cpich-Ec-NO-reportingIndicator FALSE,
                    cpich-RSCP-reportingIndicator TRUE,
                    pathloss-reportingIndicator FALSE
                }
            },
            monitoredSetReportingQuantities {
                sfn-SFN-OTD-Type noReport,
                cellIdentity-reportingIndicator TRUE,
                cellSynchronisationInfoReportingIndicator FALSE,
                modeSpecificInfo fdd : {
                    cpich-Ec-NO-reportingIndicator FALSE,
                    cpich-RSCP-reportingIndicator TRUE,
                    pathloss-reportingIndicator FALSE
                }
            }
        },
        measurementReportingMode {
            measurementReportTransferMode acknowledgedModeRLC,
            periodicalOrEventTrigger eventTrigger
        },
        reportCriteria intraFreqReportingCriteria : {
            eventCriteriaList {
                {
                    event ela : {
                        triggeringCondition activeSetAndMonitoredSetCells,
                        reportingRange 5,
                        w 1,
                        reportDeactivationThreshold t3,
                        reportingAmount ra-Infinity,
                        reportingInterval ri4
                    },
                    hysteresis 0,
                    timeToTrigger ttt640,
                    reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
                }
            }
        }
    }
}
SysInfoType12
{
    measurementControlSysInfo {
        use-of-HCS hcs-not-used : {
            cellSelectQualityMeasure cpich-RSCP : {
                intraFreqMeasurementSysInfo {
                    intraFreqMeasurementID 1,
                    intraFreqCellInfoSI-List {
                        removedIntraFreqCellList removeNoIntraFreqCells : NULL,
                        newIntraFreqCellList {
                            {
                                intraFreqCellID 0,
                                cellInfo {
                                    cellIndividualOffset 0,
                                    modeSpecificInfo fdd : {
                                        primaryCPICH-Info {
                                            primaryScramblingCode 100
                                        }
                                    }
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```

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

```

```

    },
    intraFreqMeasQuantity {
      filterCoefficient fc0,
      modeSpecificInfo fdd : {
        intraFreqMeasQuantity-FDD cpich-RSCP
      }
    },
    intraFreqReportingQuantityForRACH {
      sfn-SFN-OTD-Type noReport,
      modeSpecificInfo fdd : {
        intraFreqRepQuantityRACH-FDD noReport
      }
    },
    maxReportedCellsOnRACH noReport,
    reportingInfoForCellDCH {
      intraFreqReportingQuantity {
        activeSetReportingQuantities {
          sfn-SFN-OTD-Type noReport,
          cellIdentity-reportingIndicator TRUE,
          cellSynchronisationInfoReportingIndicator FALSE,
          modeSpecificInfo fdd : {
            cpich-Ec-NO-reportingIndicator FALSE,
            cpich-RSCP-reportingIndicator TRUE,
            pathloss-reportingIndicator FALSE
          }
        },
        monitoredSetReportingQuantities {
          sfn-SFN-OTD-Type noReport,
          cellIdentity-reportingIndicator TRUE,
          cellSynchronisationInfoReportingIndicator FALSE,
          modeSpecificInfo fdd : {
            cpich-Ec-NO-reportingIndicator FALSE,
            cpich-RSCP-reportingIndicator TRUE,
            pathloss-reportingIndicator FALSE
          }
        }
      },
      measurementReportingMode {
        measurementReportTransferMode acknowledgedModeRLC,
        periodicalOrEventTrigger eventTrigger
      },
      reportCriteria intraFreqReportingCriteria : {
        eventCriteriaList {
          {
            event ela : {
              triggeringCondition activeSetAndMonitoredSetCells,
              reportingRange 5,
              w 1,
              reportDeactivationThreshold t3,
              reportingAmount ra-Infinity,
              reportingInterval ri4
            },
            hysteresis 0,
            timeToTrigger ttt0,
            reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
          }
        }
      }
    }
  }
}

```

CR-Form-v5	
CHANGE REQUEST	
⌘ 34.108 CR 087 ⌘ rev - ⌘	Current version: 4.1.0 ⌘

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

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

Title: ⌘ Update of system reference configurations and default messages	
Source: ⌘ Ericsson	
Work item code: ⌘ TEI Date: ⌘ 2002-02-20	
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: ⌘ Correction of system info messages and default messages
Summary of change: ⌘ 6.11.1: Editorial correction to Transport channel parameters for the Downlink RAB
Consequences if not approved: ⌘ Incorrect messages

Clauses affected: ⌘ 6.11.1
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.

6.11 Common Radio Bearer configurations for other test purposes

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

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

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

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

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336(Note1)
		TF3, bits	3x336(Note1)
		TF4, bits	4x336(Note1)
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
RM attribute	130-170		

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336 (note)
		TF3, bits	3x336 (note)
		TF4, bits	4x336 (note)
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	4236		
RM attribute	130-170		
NOTE: This TFI is not applied to TFS for RLC test cases.			

CR-Form-v5	
CHANGE REQUEST	
⌘ 34.108 CR 086 ⌘ rev - ⌘	Current version: 3.6.0 ⌘

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:	⌘ Update of system reference configurations and default messages ⌘		
Source:	⌘ Ericsson ⌘		
Work item code:	⌘	Date:	⌘ 2002-02-18 ⌘
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:	⌘ Correction of system info messages and default messages ⌘		
Summary of change:	⌘ 6.11.1: Editorial correction to Transport channel parameters for the Downlink RAB ⌘		
Consequences if not approved:	⌘ Incorrect messages ⌘		

Clauses affected:	⌘ 6.11.1 ⌘		
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:

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

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

6.11 Common Radio Bearer configurations for other test purposes

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

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

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

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

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336(Note1)
		TF3, bits	3x336(Note1)
		TF4, bits	4x336(Note1)
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
RM attribute	130-170		

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	328	
	Max data rate, bps	65600	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336 (note)
		TF3, bits	3x336 (note)
		TF4, bits	4x336 (note)
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
Max number of bits/TTI after channel coding	4236		
RM attribute	130-170		
NOTE: This TFI is not applied to TFS for RLC test cases.			

CHANGE REQUEST

⌘ **TS 34.108 CR 085** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

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

Title:	⌘ Update of reference radio conditions		
Source:	⌘ Ericsson		
Work item code:	⌘ TEI	Date:	⌘ 2002-02-07
Category:	⌘ A	Release:	⌘ REL-4
<p>Use <u>one</u> of the following categories:</p> <p>F (essential 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:	⌘ Comments must be added to explain the choice of parameters and values as agreed in previous T1 discussions.
Summary of change:	⌘ Notes and comments from T1-010460 (R99) and T1-010461 (REL-4) (T1 meeting #13) have been included.
Consequences if not approved:	⌘ Reference Radio Conditions for a cell environment are not sufficiently explained

Clauses affected:	⌘ Clause 6.1		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘	
	<input type="checkbox"/> Test specifications		
	<input type="checkbox"/> O&M Specifications		
Other comments:	⌘ Affects R99 and REL-4		

How to create CRs using this form:

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downloaded from the 3GPP server under <ftp://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

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 (NOTE 1,2)	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 (NOTE 1,2)	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 (NOTE 1,2)	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 (NOTE 1,2)	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".			

Reference Radio Conditions for signalling test cases only (TDD)

<FFS>

CR-Form-v3
CHANGE REQUEST
⌘ TS 34.108 CR 084 ⌘ rev - ⌘ Current version: 3.6.0 ⌘

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:	⌘ Update of reference radio conditions		
Source:	⌘ Ericsson		
Work item code:	⌘	Date:	⌘ 2002-02-07
Category:	⌘ F	Release:	⌘ R99
	Use <u>one</u> of the following categories: F (essential 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: 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:	⌘ Comments must be added to explain the choice of parameters and values as agreed in previous T1 discussions.
Summary of change:	⌘ Notes and comments from T1-010460 (R99) and T1-010461 (REL-4) (T1 meeting #13) have been included.
Consequences if not approved:	⌘ Reference Radio Conditions for a cell environment are not sufficiently explained

Clauses affected:	⌘ Clause 6.1
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:

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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.

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 (NOTE 1,2)	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 (NOTE 1,2)	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".			

Reference Radio Conditions for signalling test cases only (TDD)

<FFS>

CR-Form-v3

CHANGE REQUEST

⌘ **TS 34.108 CR 083** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

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

Title:	⌘ Replacement of Block STTD by Space Code Transmit Diversity (SCTD)		
Source:	⌘ InterDigital Communications Corp.		
Work item code:	⌘ TEI	Date:	⌘ 18/02/2002
Category:	⌘ A	Release:	⌘ REL-4
	Use <u>one</u> of the following categories: F (essential 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: 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:	⌘ Block STTD has been replaced by SCTD in TS25.102. This was approved in TSG-RAN WG4 Mtg #21 in tdoc R4-020374.
Summary of change:	⌘ Block STTD has been deleted and replaced with SCTD.
Consequences if not approved:	⌘ Conformance tests would be inconsistent with core specifications.

Clauses affected:	⌘ 6.1, 6.7.2.2.1	
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:

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- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

<next changed part>

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
- Block-STTD 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	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
- 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	Frame
- 2 nd interleaving mode	Reference clause 6.10 Parameter Set
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Not Present (MD "1")
- Repetition period	Not present (empty)
- Repetition length	
- 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 3	4
- Midamble Shift	Not Present
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- no data	
- Code List	
- Channelisation Code	(This IE is repeated for Code number for PCH and FACH)
- TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI 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	(PCH)
- TFS	Common transport channels
- CHOICE Transport channel type	(This IE is repeated for TFI number.)
- 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	12 (for PCH)
- CTCH indicator	FALSE
- 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	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 13 (for FACH)
- Transport Channel Identity	FALSE
- CTCH indicator	(FACH)
- TFS	Common transport channels
- CHOICE Transport channel type	(This IE is repeated for TFI number.)
- 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	FDD
- CHOICE Mode	ALL
- CHOICE Logical Channel List	
- 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
- Channelisation code	16/16
- Timeslot number	0
- CHOICE <i>TDD option</i>	3.84 Mcps TDD
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<next changed part>

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

- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- 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
- Block STTD 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	(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
- 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
- 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	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	Addition
- TFCS addition 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	(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	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	(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	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference clause 6.10 Parameter Set

- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	FDD
- 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 mode	TDD
- Channelisation code	16/16
- Timeslot number	0
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

<next changed part>

6.7.2.2 Diverse Operation (TDD mode)

The diversity options applied to the DL channels shall be as below for all cells in the simulated network

6.7.2.2.1 3.84.Mcps option

Physical channel type	Open loop TxDiversity		Closed loop TxDiversity
	TSTD	Block STTDSCTD	
P-CCPCH	-	X	-
SCH	X	-	-
DPCH	-	-	X