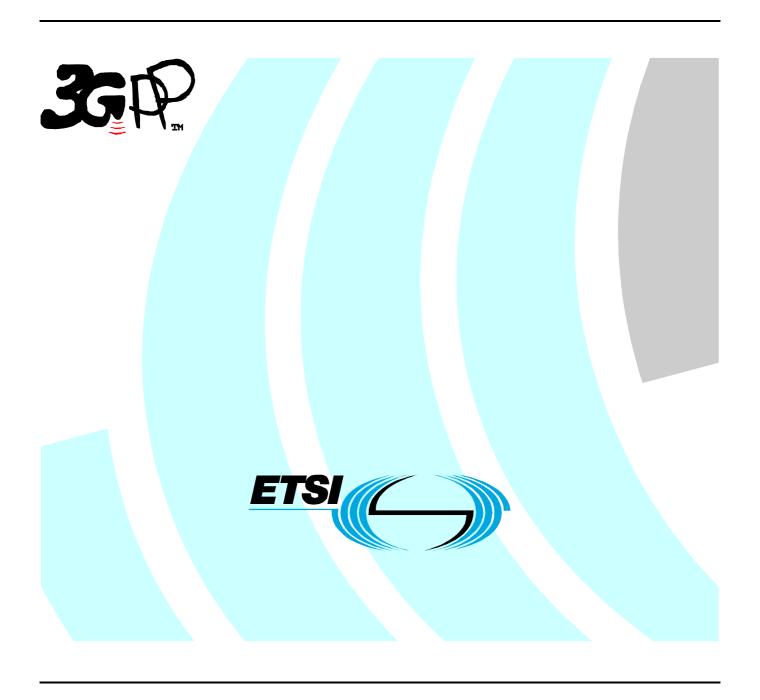
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Universal Mobile Telecommunications System (UMTS); Common test environments for User Equipment (UE) conformance testing (3GPP TS 34.108 version 3.9.0 Release 1999)



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Foreword

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	B (informative): Change history	

Foreword

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Introduction

The definition of the Conformance Tests for UE in 3G will be a complex task as the complete test suite covers RF, EMC and Protocol aspects of the UE.

Each test requires a Test Environment to be defined in which the UE has to operate to defined standards, constraints and performance. The overall task can be simplified if there are a number of well defined and agreed Common Test Environments where every one can be used for a number of tests. Hence the present documents defines testing conditions that are common to several tests avoiding the need to duplicate the same information for every single test.

The present document defines default values for a variety of common areas. Where values are not specified in test cases, the defaults in the present document will apply. If specified, the test case values will take precedence.

The present document addresses the FDD mode as well as the TDD mode.

1 Scope

The present document contains definitions of reference conditions and test signals, default parameters, reference radio bearer configurations used in radio bearer interoperability testing, common radio bearer configurations for other test purposes, common requirements for test equipment and generic set-up procedures for use in UE conformance tests.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.

Telephone Network (PSTN)".

• For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

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

Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched

[18]	3GPP TR 23.910: "Circuit Switched Data Bearer Service".
[19]	Void.
[20]	3GPP TS 25.104: "UTRA (BS) FDD; Radio Transmission and Reception".
[21]	3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
[22]	3GPP TS 31.101: "UICC-Terminal Interface; Physical and Logical Characteristics".
[23]	3GPP TS 31.102: "Characteristics of the USIM Application".
[24]	3GPP TS 33.102: "3G Security; Security Architecture".
[25]	3GPP TS 33.103: "3G Security; Integration Guidelines".
[26]	3GPP TS 33.105: "3G Security; Cryptographic Algorithm Requirements".
[27]	3GPP TS 25.224: "Physical layer procedures (TDD)".
[28]	3GPP TS 25.221: "Physical Channels and mapping of Transport Channels onto Physical channels (TDD)".
[29]	3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".
[30]	3GPP TS 25.133: "Requirements for support of radio resource management (FDD)".

3 Definitions and abbreviations

Non-access stratum

Occupied Bandwidth

NAS OBW

3.1 Definitions

For the purposes of the present document, the terms and definitions given in [9], [10] and the following apply:

Maximum average power: average transmitter output power obtained over any specified time interval, including periods with no transmission, when the transmit time slots are at the maximum power setting

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in [9], [10] and the following apply:

I_{oc}	The power spectral density of a band limited white noise source (simulating interference from other cells) as measured at the UE antenna connector.
AFC	· · · · · · · · · · · · · · · · · · ·
-	Automatic Frequency Control
AM	Acknowledgement mode
ATT	Attenuator
BCCH	Broadcast Control Channel
CBS	Cell Broadcast Service
CC	Convolutional coding
CCCH	Common Control Channel
CCTrCH	Coded Composite Transport Channel
CS	Circuit switching
DCCH	Dedicated Control Channel
DL	Downlink
DPCH	Dedicated Physical Channel
DT	Direct transfer
DTCH	Dedicated Traffic Channel
FTM	File tunnelling mode
HYB	Hybrid

OCNS Orthogonal Channel Noise Simulator, a mechanism used to simulate the users or control signals on

the other orthogonal channels of a downlink.

PRACH Physical Randome Access Channel

PS Packet switching
RAB Radio Access Bearer
RB Radio Bearer

RRC Radio Resource Control (for sub-Layer of layer 3) but also Root-Raised Cosine (for Filter shape)

SCCPCH Secondary Common Control Physical Channel

SMS Short Message Service

SRB Signalling RB SS System Simulator

SSD Source statistics descriptor

TC Turbo coding TM Transparent mode

UL Uplink

UM Unacknowledgement mode

4 Common requirements of test equipment

Mobile conformance testing can be categorised into 3 distinct areas:

- RF Conformance Testing.
- EMC Conformance Testing.
- Signalling Conformance Testing.

The test equipment required for each category of testing may or not be different, depending on the supplier of the test equipment. However, there will be some generic requirements of the test equipment that are essential for all three categories of test, and these are specified in this clause.

In addition, there will be requirements to test operation in multi-system configurations (eg UTRA plus GSM/DCS1800). However, these would not form a common test equipment requirement for the three test areas and are not considered in the present document.

4.1 General Functional Requirements

NOTE: This clause has been written such that it does not constrain the implementation of different architectures and designs of test equipment.

All test equipment used to perform conformance testing on a UE shall provide a platform suitable for testing UE's that are either:

- a) FDD Mode; or
- b) TDD Mode; or
- c) both FDD/TDD Modes.

All test equipment shall provide (for the mode(s) supported) the following minimum functionality.

- The capability of emulating a single UTRA cell with the appropriate channels to allow the UE to register on the cell.
- The capability to allow the UE to set up an RRC connection with the System Simulator, and to maintain the connection for the duration of the test.
- The capability (for the specific test):
 - to select and support an appropriate Radio Bearer for the downlink;
 - to set the appropriate downlink power levels;

- to set up and support the appropriate Radio Bearer for the uplink;
- to set and control the uplink power levels.

4.2 Minimum performance levels

4.2.1 Supported Cell Configuration

The System Simulator shall provide the capability to simulate a minimum number of cells (of the appropriate UTRA Mode) whose number and capabilities are governed by the test cases that need to be performed (test cases are defined in [1] (Signalling), [2] (RF-FDD) and [5] (RF-TDD)). For this purpose test cases can be split into two different categories: Tests that require only one cell and Tests that require several cells.

To perform test cases requiring one cell, the system simulator must provide a Cell offering the capabilities to perform all the test cases in this category.

To perform test cases requiring several cells, additional cells must be provided by the system simulator. The additional cells, however, need only provide a minimum set of capabilities so as to support the first cell in carrying out the multicell test cases.

The type and number of channels (especially physical channels) constitute an important set of capabilities for a cell. The following clauses list possible channels that may be supported by the SS. Each channel type, however, and the minimum number of channels needed are only mandatory if specific test cases require them.

The mapping between Logical and Transport channels is as described in [7]. Similarly the mapping between Transport channels and Physical channels is as described in 3GPP TS 25.211 for the FDD mode, and 3GPP TS 25.221 for the TDD mode. The reference measurement channels (mapping between Transport channels and Physical channels for DTCH/DCCH to be tested) are defined in [2] annex C for FDD and [5] annex C for TDD.

4.2.1.1 Supported Channels for FDD Mode

4.2.1.1.1 Logical Channels

Logical Channel	Minimum Number	Comments
BCCH	1	
CCCH	1	
DCCH	4	2 for RRC testing, 2 for NAS testing
PCCH	1	
DTCH	n <ffs></ffs>	Depending on SS's support for RB service testing (See clause 14 of TS 34.123-1)

4.2.1.1.2 Transport Channels

Transport Channel	Minimum Number	Comments
BCH	1	
FACH	1	
PCH	1	
DCH	n <ffs></ffs>	
DSCH	1	
RACH	2	
CPCH	1	
FAUSCH	N/A	Not in Release 1999

4.2.1.1.3 Physical Channels

Physical Channel	Minimum Number	Comments
P-CCPCH	1	Primary Common Control Physical Channel. This is used by the Cell to Broadcast System Information messages, it is
		transmitted using the Primary Scrambling Code for the Cell.
P-CPICH	1	Primary Common Pilot Channel using the Primary Scrambling Code for the Cell.
S-CPICH	1 (For RF Tests)	Secondary Common Pilot Channel. This signal is used as the phase reference for some RF tests.
SCH	1	Synchronisation Channel (includes P-SCH and S-SCH)
S-CCPCH	2	Secondary Common Control Physical Channel.
PICH	1	To identify when the UE should access the PCCH for Paging Messages.
AICH	1	General Acquisition Indicator Channel that can be used for: - Aquisition Indicator Channel, for PRACH - Access Preamble Acquisition Indicator Channel (AP-ICH), for
		PCPCH - Collision-Detection/Channel-Assignment Indicator Channel (CD/CA-ICH), for PCPCH
DPDCH	3	Downlink Physical Data Channel. There will be a single DPCCH associated with all the DPDCHs used for Layer 1 signalling.
		This number is for the First Cell. Additional Cells may define a lower number which should be at least 1.
PDSCH	1	Physical Downlink Shared Channel.
DPCH	1	Uplink Dedicated Physical Channel
PRACH	2	Physical Random Access Channel.
PCPCH	1	Physical Common Packet Channel.
CSICH	1	CPCH Status Indicator Channel

4.2.1.2 Supported Channels for TDD Mode

4.2.1.2.1 Logical Channels

Logical Channel	Minimum Number	Comments
BCCH	1	
CCCH	1	
DCCH	1	
PCCH	1	
DTCH	1	
SHCH	1	

4.2.1.2.2 Transport Channels

Transport Channel	Minimum Number	Comments
BCH	1	
FACH	1	
PCH	1	
DCH	n <ffs></ffs>	
DSCH	1	
USCH RACH	1	
RACH	1	

4.2.1.2.3 Physical Channels

Physical Channel	Minimum Number	Comments
P-CCPCH	1	Primary Common Control Physical Channel. This is the Cell
		Broadcast Channel, transmitted using the Primary Scrambling Code for the Cell.
SCH	1	Synchronisation Channel
S-CCPCH	2	Secondary Common Control Physical Channel.
PICH		To identify when the UE should access the PCCH for Paging
		Messages.
DPCH (DL)	3	Downlink Dedicated Physical Channel
PDSCH	1	Physical Downlink Shared Channel.
DPCH (UL)	1	Uplink Dedicated Physical Channel
PUSCH	1	Physical Uplink Shared Channel.
PRACH	2	Physical Random Access Channel.

4.2.1.3 Support of T_{cell} timing offset

In test case parameter declarations, the parameter T_{cell} may be specified between 0 to 38399, to allow for extensibility. However, the system simulator is required only to support a maximum T_{cell} value of 2304, with a step resolution of 256. The SS may limit a T_{cell} value of greater than 2304, and may round T_{cell} to the nearest multiple of 256.

4.2.2 RF Performance

4.2.2.1 Frequency of Operation

The System Simulator shall be capable of adjusting the Carrier Frequency of the DL channels to any frequency allowed in the DL frequency band. The DL frequency shall be accurate to the level of accuracy set by the core specications [20] for FDD and [21] for TDD.

For RF tests, the requirement of Test Equipment is described in [2] annex F for FDD and [5] annex F for TDD respectively.

4.2.2.2 Power Level Setting Accuracy

The system simulator shall be able to adjust the average power output of the DL Channels to meet the absolute accuracy of the system simulator DL power levels covered in clause 5.4.1 Downlink Signal Levels.

For RF tests, the requirement of Test Equipment is described in [2] annex F for FDD and [5] annex F for TDD respectively.

The system simulator shall be capable of altering the power of the DL Dedicated channels under control of the UE Layer 1 Signalling information.

4.2.2.3 Uplink Power Control

The system simulator shall be able to command the UE to transmit at the maximum level for its power class or a lower level required for specific tests. The system simulator shall also provide the capability of generating the Layer 1 Signalling information to set the power levels of the Uplink Dedicated Channels from the UE to lower levels if required.

4.2.2.4 Uplink Signal Handling

For FDD mode, the System Simulator shall not be damaged by a Power Class 1 UE transmitting at the maximum power level permitted in [11] and for TDD mode by a Power Class 2 UE transmitting at the maximum power level permitted in [12].

4.2.2.5 Uplink Sensitivity

The simulator shall be able to receive uplink transmissions from the UE when it is transmitting at the minimum power level defined in [11] for FDD mode, and [12] for TDD mode.

Editor's note: this is obviously a useful feature for the system simulator; however it is <ffs> if it should be an essential common requirement for a protocol test system.

4.2.3 Timers Tolerances

All the timers used during testing are within a tolerance margin given by the equation below. If for a specific test a different tolerance value is required then this should be specified in the relevant test document (i.e. the document where the test is described).

Timer tolerance = 10%, or $2 * TTI + t_{delta}$, whichever value is the greater.

Where t_{delta} is 55 ms.

5 Reference Test Conditions

5.1 Test frequencies

The test frequencies are based the UMTS frequency bands defined in the core specifications.

To avoid interference with adjacent frequency bands the lowest test frequency (downlink and uplink) needs to be offset upwardly by at least 2,6 MHz since the channel's width is 5 MHz and the raster spacing is 200KHz. Similarly the highest test frequency (downlink and uplink) needs to be offset downwardly by at least 2,6 MHz.

NOTE: Additional regulations concerning interferences to frequency bands used by different systems may also exist. Those regulations are specific to the country where the test equipment is used and need to be taken into account if they require a higher offset than 2,6 MHz from the edge frequencies.

5.1.1 FDD Mode Test frequencies

UTRA/FDD is designed to operate in one of three paired bands [11]. The reference test frequencies for the common test environment for each of the 3 operating bands are defined in the following tables:

5.1.1.1 FDD reference test frequencies for Operating Band I

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	9 613	1 922.6 MHz	10 563	2 112.6 MHz
Mid Range	9 750	1 950.0 MHz	10 700	2 140.0 MHz
High Range	9 887	1 977.4 MHz	10 837	2 167.4 MHz

5.1.1.2 FDD reference test frequencies for Operating Band II

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	9 263	1 852.6 MHz	9 663	1 932.6 MHz
Mid Range	9 400	1 880 MHz	9 800	1 960 MHz
High Range	9 537	1 907.4 MHz	9 937	1 987.4 MHz

5.1.1.3 FDD reference test frequencies for Operating Band III

Test Frequency ID	UARFCN	Frequency of Uplink	UARFCN	Frequency of Downlink
Low Range	8 563	1 712.6 MHz	9 038	1 807.6 MHz
Mid Range	8 737	1 747.4 MHz	9 212	1 842.4 MHz
High Range	8 912	1 782.4 MHz	9 387	1 877.4 MHz

5.1.2 TDD Mode Test frequencies

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

5.1.2.1 Standard TDD reference test frequencies

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

5.1.2.2 TDD reference test frequencies for ITU Region 2

a)

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

b)

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

5.2 Radio conditions

There are a number of radio propagation conditions defined in [2] for FDD mode and [5] for TDD mode, which may be required for a number of tests and hence can be considered as Common Conditions for FDD mode and TDD mode respectively.

NOTE: The System Simulator is required to support at least the normal Propagation Condition; support of the other propagation conditions is optional, depending on the specific test supported by the simulator.

5.2.1 Normal Propagation Condition

This condition provides a connection between the System Simulator that is effectively free from Additive White Gaussian Noise, and where there are no fading or multipath effects. This condition will be used for Signalling tests.

5.2.2 Static Propagation Condition

See [2] annex D for FDD.

For TDD mode, the propagation for the static performance measurement is an Additive White Gaussian Noise (AWGN) environment. No fading and multi-paths exist for this propagation model..

5.2.3 Multi-Path Fading Propagation Conditions

See [2] annex D for FDD and [5] annex D for TDD.

5.2.4 Moving Propagation Conditions

See [2] annex D for FDD. There are no currently defined Moving propagation conditions for TDD.

5.2.5 Birth-Death propagation conditions

See [2] annex D for FDD. There are no currently defined Birth-Death propagation conditions for TDD.

5.3 Standard test signals

Reference [11] and [12] for definitions of standard test signals.

5.4 Signal levels

The power levels given in the following clauses (5.4.1 and 5.4.2) apply for Signalling tests only. For RF tests power levels are given in [2] annex E for FDD and [5] annex E for TDD.

5.4.1 Downlink Signal Levels

<FFS>

5.4.2 Uplink Signal Levels

<FFS>

6 Reference System Configurations

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

6.1 Simulated network environments

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

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

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

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

6.1.0a Default Master Information Block and Scheduling Block messages

6.1.0a.1 Grouping SIBs for testing

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

6.1.0a.2 SIB configurations

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

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

6.1.0a.3 SIB default schedule

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

Frame No / SIB_POS	0	2	4	6	8	10	12	14
Block Type	MIB	SB1	SIB7	SIB6	MIB	SIB6	SIB6	SIB6
Frame No / SIB_POS	16	18	20	22	24	26	28	30
Block Type	MIB	SB1	SIB7/SIB3	SIB1/SIB2	MIB	SIB12	SIB12	SIB12
Frame No / SIB_POS	32	34	36	38	40	42	44	46
Block Type	MIB	SB1	SIB7/SIB18	SIB5	MIB	SIB5	SIB5	SIB5
Frame No / SIB_POS	48	50	52	54	56	58	60	62
Block Type	MIB	SB1	SIB7/SIB4		MIB	SIB11	SIB11	SIB11

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

- MIB value tag	1
- Supported PLMN types	
- PLMN type	GSM-MAP
- PLMN identity	CONTINUAL
	Set to the same Mahile Country Codes stored in the test
- MCC digit - MNC digit	Set to the same Mobile Country Codes stored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)). Set to the same Mobile Network Codesstored in the test
	USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).
- ANSI-41 Core Network information	Not Present
- References to other system information blocks	
and scheduling blocks	
- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value Tag
- Cell Value tag	1
- Scheduling	
- SEG_COUNT	1
- SIB_REP	16
- SIB_POS	2
- SIB_POS offset info	Not Present – use default
- SIB and SB type	Scheduling Block 1
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB and SB type	System Information Type 1
- Scheduling information	System information Type T
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	
- SIB_REP	64
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB and SB type	System Information Type 2
- Scheduling information	System memason Type 2
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	20
- SIB_POS offset info	Not Present – use default
- SIB and SB type	System Information Type 3
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	11
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	52
- SIB_POS offset info	Not Present – use default
- SIB and SB type	System Information Type 4
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	64
- SIB_POS	38
- SIB_POS offset info	
- SIB_FOS dilset illid - SIB_OFF	4
- SIB_OFF	2
- SIB_OFF	2
- SIB and SB type	System Information Type 5
SID and SD type	Cycloni iniomiation Type o

Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	4
- SIB_REP	64
- SIB_POS	6
- SIB_POS offset info	
- SIB_OFF	4
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	,,,,,
- CHOICE Value tag	Not Present
- SEG COUNT	1
- SIB_REP	16
- SIB_POS	4
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	System miermanen Type T
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB POS	58
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	System information Type 11
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_REI	26
- SIB_POS offset info	
- SIB_FOS dilset illid - SIB_OFF	2
- SIB_OFF	2
- SIB_OFF - SIB type SIBs only	System Information Type 12
- Scheduling information	Oystem information Type 12
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	
	64
- SIB_REP	36
- SIB_POS - SIB_POS offset info	Not Present
_	
- SIB type SIBs only	System Information Type 18

Contents of Scheduling Block 1 (TDD)

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

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

6.1.0a.4 SIB special schedules

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

FFS

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

FFS

6.1.0b Default System Information Block Messages

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

- CN common GSM-MAP NAS system	
information	
- GSM-MAP NAS system information	00 80H
- CN domain system information	00 0011
- CN domain identity	PS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	COM WIN
- GSM-MAP NAS system information	00 00H
- CN domain specific DRX cycle length	7
coefficient	ľ
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	CONTINUA
- GSM-MAP NAS system information	1E 01H
- CN domain specific DRX cycle length	7
coefficient	ľ
- UE Timers and constants in idle mode	
-T300	4000 milliseconds
-N300	7
-T312	10 seconds
- N312	1
- UE Timers and constants in connected mode	
- T301	Not Present (2000 milliseconds: default value)
- N301	Not Present (2: default value)
- T302	Not Present (4000 milliseconds: default value)
- N302	Not Present (3: default value)
- T304	Not Present (2000 milliseconds: default value)
- N304	Not Present (2: default value)
- T305	Not Present (30 minutes: default value)
- T307	Not Present (30 seconds: default value)
- T308	Not Present (160 milliseconds: default value)
- T309	Not Present (5 seconds: default value)
- T310	Not Present (160 milliseconds: default value)
- N310	Not Present (4: default value)
- T311	Not Present (2000 milliseconds: default value)
- T312	Not Present (1 seconds: default value)
- N312	Not Present (1: default value)
- T313	Not Present (3 seconds: default value)
- N313	Not Present (20: default value)
- T314	Not Present (12 seconds: default value)
- T315	Not Present (180 seconds: default value)
- N315	Not Present (1: default value)
- T316	Not Present (30 seconds: default value)
- T317	Not Present (180 seconds: default value)

Contents of System Information Block type 2

- URA identity list	Only 1 URA identity broadcasted
- 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	0000 0000 0000 0000 0000 00012
- Mapping info	Not Present
- Cell selection_and_reselection_quality	CPICH RSCP
measure	or for resor
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintasearch	16 dB
	Not Present
- SsearchHCS	
- RAT List	This parameter is configurable.
- RAT identifier	GSM co. dB
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

Contents of System Information Block type 3 (TDD)

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection_and_reselection_quality	(no data)
measure	
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,ShearchRAT	Not Present
- Qrxlevmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{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 	CPICH RSCP
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
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Access Class Barred	Not barred
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present

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

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

Contents of System Information Block type 5 (FDD)

•	
- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.00
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	Common transport orial mole
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	300
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Mode - CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	Comigured
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	Complete reconfiguration
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor &c	11
- Gain factor &d	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	(1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)

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- Available signature End Index
                                                7 (ASC#3)
  - Assigned Sub-channel Number
                                                '1111'B
                                                Not Present
 - ASC Setting
 - ASC Setting
                                                FDD
 - CHOICE mode
  - Available signature Start Index
                                                0 (ASC#5)
  - Available signature End Index
                                                7 (ASC#5)
  - Assigned Sub-channel Number
                                                '1111'B
 - ASC Setting
                                                Not Present
 - ASC Setting
 - CHOICE mode
                                                FDD
  - Available signature Start Index
                                                0 (ASC#7)
  - Available signature End Index
                                                7 (ASC#7)
  - Assigned Sub-channel Number
                                                '1111'B
- Persistence scaling factor
- Persistence scaling factor
                                                0.9 (for ASC#2)
                                                0.9 (for ASC#3)
- Persistence scaling factor
- 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
- RACH transmission parameters
- Mmax
- NB01min
                                                3 slot
- NB01max
                                                10 slot
- AICH info
- Channelisation code
                                                FALSE
- STTD indicator
- AICH transmission timing
Secondary CCPCH system information
- Secondary CCPCH info
- Secondary scrambling code
                                                Not Present
- STTD indicator
                                                FALSE
                                                64
- Spreading factor
- Code number
- Pilot symbol existence
                                                FALSE
- TFCI existence
                                                TRUE
- Fixed or Flexible position
                                                Flexible
- Timing offset
- TFCS
                                                (This IE is repeated for TFC number for PCH and FACH.)
- Normal
 - TFCI Field 1 information
 - CHOICE TFCS representation
                                                Complete reconfiguration
  - TFCS complete information
  - CHOICE CTFC Size
                                                4 bit
   - CTFC information
                                                Not Present
   - Power offset information
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
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- Power offset information - FACH/PCH information - TES - CHOICE Transport channel type - Dynamic Transport format information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC size - CHOICE Transport channel type - Ophamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - CRC Size - Transport Channel lype - Ophamic Transport sport format information - Transmission time interval - Type of channel coding - CRC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-		
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- CTFC information - Power offset information - Power offset information - FACH/PCH information - TTFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC Size - CHOICE Transport channel type - Dynamic Transport thomat information - RLC Size - Semi-static Transport Channel type - Dynamic Transport thomat information - RLC Size - CHOICE Mode - CHOICE Logical Channel List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - Transport Channel dentity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - Transport Channel coding - Coding Rate - Rate matching attribute - CPC Size - Transport Channel type - Dynamic Transport format information - Transport Channel coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Identity - Type of channel coding - Rate matching attribute - CHO Size - Transport Channel Identity - Type of channel coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static	- CTFC information	6
- Power offset information - FACH/PCH information - FACH/PCH/PCH/PCH/PCH/PCH/PCH/PCH/PCH/PCH/P	- Power offset information	Not Present
- FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - CRC Size - CHOICE Transport channel type - Oynamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transmission time interval - Type of channel coding - Cholice Transport channel type - Oynamic Transport channel type - Oynamic Transport channel formation - RLC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport channel type - Oynamic Transport channel formation - RLC Size - CHOICE Transport channel formation - RLC Size - CHOICE Transport channel formation - RLC Size - Oynamic Transport format information - RLC Size - Oyn	- CTFC information	8
- TFS - CHOICE Transport channel type - Dynamic Transport blocks - CHOICE Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CRC size - Transport Channel Identity - CTCH indicator - Transport blocks - Number of Transport blocks - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - TTS - CHOICE Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport format information - RLC Size - Dynamic Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - Transmission time interval - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel Coding - CHOICE Logical Channel List - Semi-static Transpo	- Power offset information	Not Present
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- Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CRC size - Transport Channel lype - Dynamic Transport format information - RLC Size - CHOICE Mode - CHOICE Mode - CHOICE Mode - CHOICE Mode - CHOICE Indicator - Transport channel list - Semi-static Transport format information - Transmission time interval - CHOICE Transport channel lype - Dynamic Transport holocks - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - CRC size - Transport Channel ldentity - CTCH indicator - TFS - CHOICE Transport holocks - Number of Transport holocks - Number of Transport format information - Transmission time interval - Dynamic Transport format information - RLC Size - Number of Transport holocks - Number of Transport	- Number of TB and TTI List	
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- CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - TTS - CTCH indicator - TIS - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - Number of Transport Format information - Transport Channel Identity - CTCH indicator - TIS - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - Transport Chan		1 . 5 . 5
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - CRC size - Transport Channel Identity - CTCH indicator - RLC Size - Dynamic Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode - CHOICE		
- CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - RLC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - FALSE - FALSE - Transport Channel Identity - CTCH info - Channelisation code - Number of PI per frame - STTD indicator - FALSE - FALSE - CHALSE - Channelisation code - Number of PI per frame - STTD indicator - FALSE - FALSE - FALSE		
- Dynamic Transport format information RLC Size Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport format information RLC Size Number of Transport blocks CHOICE Logical Channel List Semi-static Transport format information Transmission time interval Type of channel coding Rate matching attribute CRC size Transport Channel Identity Turbo Transmission time interval Turbo CAC Size Transport Channel Identity Turbo Transmission time interval Transmission time interval Turbo Transmission time interval Tu		
- 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 - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - Transport Channel Identity - Transport Channel Identity - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STID indicator - FALSE		Common transport channels
- Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TLS - Number of Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - TALE - Value - CRC Size - Transport Channel - CRC Size - Transport Channel Identity - CTCH indicator - TRANSPORT SALL - Semi-static Transport Channel - CRC Size - Transport Channel Coding - Convolutional - 10 ms - 1		
- Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport stransport format information - Transmission time interval - Rate matching attribute - CRC size - Transport Channel Identity - TFS - CHOICE Transport channel type - Dynamic Transport blocks - Number of TB and TTI List - Number of TB and TTI List - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - Rate matching attribute - CRC size - Transport Channel Identity - Transport C		168
- Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Coding Rate - Coding Rate - CRC size - CRC size - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FALSE - FDD - ALL - Common transport channels - Type of channel List - Semi-static Transport blocks - Turbo - CRC size - Transport Channel Identity - CTC hindicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FALSE		
- Number of Transport blocks		0
- 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 - RLC Size - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC size - Transport Channel List - Semi-static Transport Format information - Transmission time interval - CRC size - Transport Channel Identity - CRC size - Transpo		
- CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - 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 - Rate matching attribute - CRC size - Transport Channel Identity - TCTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Transport of PI per frame - STTD indicator - Transport of PI per frame - STTD indicator - Transmission time interval - Transport of PI per frame - STTD indicator - Transmission time interval - Transport Channel Identity - Transport Of PI per frame - STTD indicator - Transport of PI per frame - Transport Of Channel Identity - Transport Of PI per frame - Transpor		2
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - Dynamic Transport format information - RLC Size - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - Transport Chann		
- Transmission time interval - Type of channel coding - Coding Rate - CRC size - 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 - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator		ALL
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - TFS - CHOICE Transport tohennel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator		
- 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 - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FALSE		
- 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 - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FALSE		
- 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 - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - TSS		
- 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 - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - TSS - CHOICE Mode - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator		
- CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator		1
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - PICS indica	•	
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FALSE		
- Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator		
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- Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Number of TB and TTI List - 0 - 0 - Number of TB and TTI List - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0		360
- Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Number of Transport blocks 1 1 1 10 ms - Turbo 130 16bit 14 (for FACH) FALSE		300
- Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator 1 FDD ALL 10 ms 11 ms 12 ms 14 (for FACH) 130 14 (for FACH) 15 FALSE 18 FALSE		
- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FDD ALL FDD ALL FDD ALL 10 ms Turbo 130 16bit 14 (for FACH) FALSE		
- CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - ALL ALL ALL 10 ms Turbo 130 16bit 14 (for FACH) FALSE	•	
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Transport Format information 10 ms - Turbo 130 - 14 (for FACH) - FALSE - STTD indicator - 18 - STTD indicator - FALSE		
- Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Type of channel interval - 10 ms - Turbo - 130 - 14 (for FACH) - FALSE - FALSE - 18 - STTD indicator - Turbo - 130 - FACH - 14 (for FACH) - FALSE - 18 - FALSE		,
- Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Turbo 130 - 16bit - 14 (for FACH) FALSE 15		10 ms
- Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Rate matching attribute 130 14 (for FACH) FALSE 15 FALSE 16 FALSE		
- CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator 16bit 14 (for FACH) FALSE 2 18 18 FALSE		
- Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator 14 (for FACH) FALSE 12 18 FALSE		
- CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator FALSE 18 FALSE		
- PICH info - Channelisation code - Number of PI per frame - STTD indicator - PICH info 2 18 FALSE		
- Channelisation code 2 - Number of PI per frame 18 - STTD indicator FALSE		
- Number of PI per frame - STTD indicator 18 FALSE		2
- 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 mode	TDD
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
- SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	TDD
- Timeslot number	14
- PRACH Channelisation Code List	
- CHOICE SF	SF8
- Channelisation Code List	
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
- PRACH Midamble	Direct
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	·
- RLC size	Reference clause 6.10 Parameter Set
 Number of TB and TTI List 	Reference clause 6.10 Parameter Set
 Number of Transport blocks 	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	
- ASC Settings	(ASC#0)
- CHOICE mode	TDD
 Available Channelisation codes indices 	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
 Available Channelisation codes indices 	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
 Available Channelisation codes indices 	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode	TDD
 Available Channelisation codes indices 	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)

- CHOICE mode	ITDD
- 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	0.0 ((1.00 ((0)
- 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- AC-to-ASC mapping	0.9 (for ASC#6)
- AC-to-ASC mapping - AC-to-ASC mapping table	
- AC-to-ASC mapping table	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 Common timeslot info	0
- 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	A
- Midamble Shift	Not Present
Code ListChannelisation Code	Reference clause 6.10 Parameter Set
- TFCS	(This IE is repeated for TFC number for PCH and
11 00	FACH.)
-CHOICE TFCI signalling	. 7.67.11)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
 TFCS complete information 	
- CHOICE CTFC Size	Number of bits used must be enough to cover all
0==0.1	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	
	IC.Ommon transport channels
- Dynamic Transport format Information	Common transport channels
 Dynamic Transport format information RLC Size 	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	Common transport channels
- RLC Size	Deference eleves 6.10 Deremeter Cet
- Number of TB and TTI List	Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE mode	TDD
- Timeslot number	0
 Midamble shift and burst type 	
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present
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Contents of System Information Block type 6 in connected mode (FDD)

- PICH power offset	-5 dB
- CHOICE Mode	FDD
- AICH power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	

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- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.00
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition information	0.1.7
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Operation of Opin Footon
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- CTFC information	1
- Power offset information	Signallad Cain Factor
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor ßc	11
- Gain factor ßd	15
- Reference TFC ID	0
- CHOICE Mode	FDD o dB
- Power offset Pp-m - PRACH partitioning	0 dB
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	THOSE TO SOME
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	(1111'B
- ASC Setting	Not Present
- ASC Setting	THE THEORY
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature Start Index - Available signature End Index	0 (ASC#3) 7 (ASC#3)
- Available signature End Index	0 (ASC#3) 7 (ASC#3) '1111'B
Available signature End Index Assigned Sub-channel Number	7 (ASC#3)
Available signature End IndexAssigned Sub-channel NumberASC Setting	7 (ASC#3) '1111'B
Available signature End Index Assigned Sub-channel Number	7 (ASC#3) '1111'B
 - Available signature End Index - Assigned Sub-channel Number - ASC Setting - ASC Setting - CHOICE mode 	7 (ASC#3) '1111'B Not Present
Available signature End IndexAssigned Sub-channel NumberASC SettingASC Setting	7 (ASC#3) '1111'B Not Present FDD
 - Available signature End Index - Assigned Sub-channel Number - ASC Setting - ASC Setting - CHOICE mode - Available signature Start Index 	7 (ASC#3) '1111'B Not Present FDD 0 (ASC#5)
 Available signature End Index Assigned Sub-channel Number ASC Setting ASC Setting CHOICE mode Available signature Start Index Available signature End Index 	7 (ASC#3) '1111'B Not Present FDD 0 (ASC#5) 7 (ASC#5)
 Available signature End Index Assigned Sub-channel Number ASC Setting ASC Setting CHOICE mode Available signature Start Index Available signature End Index Assigned Sub-channel Number 	7 (ASC#3) '1111'B Not Present FDD 0 (ASC#5) 7 (ASC#5) '1111'B

- Transmission time interval

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- 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)
                                                0.9 (for ASC#5)
- Persistence scaling factor
- 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
- RACH transmission parameters
- Mmax
- NB01min
                                                3 slot
- NB01max
                                                10 slot
- AICH info
- Channelisation code
                                                FALSE
- STTD indicator
- AICH transmission timing
Secondary CCPCH system info
- Secondary CCPCH info
- Secondary scrambling code
                                                Not Present
- STTD indicator
                                                FALSE
- Spreading factor
                                                64
- Code number
- Pilot symbol existence
                                                FALSE
- TFCI existence
                                                TRUE
- Fixed or Flexible position
                                                Flexible
- Timing offset
- TFCS
                                                (This IE is repeated for TFC number for PCH and FACH.)
- Normal
 - TFCI Field 1 information
 - CHOICE TFCS representation
                                                Complete reconfiguration
  - TFCS addition information
                                                4 bit
   - CHOICE CTFC Size
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
- FACH/PCH information
                                                (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
                                                n
 - Number of Transport blocks
 - CHOICE Mode
                                                FDD
 - CHOICE Logical Channel List
                                                ALL
 - Semi-static Transport Format information
```

10 ms

Type of channel coding	Convolutional
Type of channel coding Coding Rate	
	1/2 230
- Rate matching attribute	
- 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	
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	/ LL
- 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 indicator	I ALUL
- Channelisation code	
	2 18
- Number of PI per frame	
- STTD indicator	FALSE Not Present
- 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
- SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	

CHOICE made	ITDD
- CHOICE mode - Timeslot number	TDD 14
- PRACH Channelisation Code List	14
- CHOICE SF	SF8
- Channelisation Code List	01.0
- 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	Deference clause C 40 Devember Cat
- RLC size - Number of TB and TTI List	Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS - PRACH partitioning	Not present
- 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 SubchannelsASC Settings	null (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- ASC Settings	null (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 - CHOICE mode	(ASC#6) 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
- Persistence scaling factor
- AC-to-ASC mapping
- CHOICE mode
- Secondary CCPCH system information
- Secondary CCPCH system information
- Secondary CCPCH info
- CHOICE mode
- Offset
- Common timeslot info
- 2nd interleaving mode TFCI coding
- Puncturing limit
- Repetition period
- Repetition length
- Individual timeslot info
- Timeslot number
- TFCI existence
- Midamble Shift and burst type
- CHOICE Burst Type
- Midamble Allocation Mode
- Midamble configuration burst type 1 and 3
- Midamble Shift
- Code List
- Channelisation Code
- TFCS
- Normal
- TFCI Field 1 information
- CHOICE TFCS representation
- TFCS complete reconfiguration information
- CHOICE CTFC Size
- CTFC information
- Power offset information
- FACH/PCH information
- 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
- TFS

0.9 (for ASC#5)

0.9 (for ASC#6)

Not Present

TDD (no data)

TDD

Not Present (MD "Frame")

Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set

Not Present (MD "1")

Not present

Reference clause 6.10 Parameter Set

Type 1

Default midamble

Not Present

Reference clause 6.10 Parameter Set

(This IE is repeated for TFC number for PCH and FACH.)

Complete reconfiguration

Number of bits used must be enough to cover all

combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set

Not Present

(PCH)

Common transport channels

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

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

12 (for PCH)

FALSE (FACH)

Common transport channels

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

Al I

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set 13 (for FACH)

(FACH)

- CHOICE Transport channel type - Dynamic Transport format information	Common transport channels
- 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	ALL
- Transmission time interval	Reference clause 6.10 Parameter Set
	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	
- 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
- Timeslot number	0
 Midamble shift and burst type 	
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

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

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

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

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

Contents of System Information Block type 11 (FDD)

See sub-clause 6.1.4 for contents of System Information Block type 11 (FDD) for cell 1 to 8.

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	(no data)
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB_
- Reference time difference to cell	Not Present
- Read SFN Indicator	TRUE
- CHOICE mode	TDD
- Primary CCPCH info	Deference clause C.4 Defeuit authorities for cell
- Cell parameters ID	Reference clause 6.1 Default settings for cell
- Primary CCPCH TX power	Not Present
- Timeslot list	Not Present
- Timeslot number	Not Present Not Present
- Burst type - Cell Selection and Re-selection info	Not Present
- Cell Selection and Re-selection into	Not Present
- Intra-frequency measurement quantity	INOUT TOOCHL
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement quantity list	
- Measurement quantity is:	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	Not Present
Reporting	THOU TOOM
- Maximum number of reported cells on RACH	Not Present
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- SFN-SFN observed time difference	No report
reporting indicator	·
- Cell synchronisation information reporting	TRUE
indicator	
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
 Proposed TSGN reporting required 	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored set cells	
- SFN-SFN observed time difference reporting	No report
indicator	E41.0E
- Cell synchronisation information reporting	FALSE
indicator	TDUE
- Cell identity reporting indicator - CHOICE mode	TRUE
	TDD
- Timeslot ISCP reporting indicator	FALSE
Proposal TSGN reporting required P-CCPCH RSCP reporting indicator	FALSE TRUE
- P-CCPCH RSCP reporting indicator - Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
Reporting quantities for detected set cells Measurement reporting mode	INOUT TOOGHT
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting / Event Trigger	Event trigger
Reporting Mode	L vont triggor
-CHOICE report criteria	
- Intra-frequency measurement reporting	
criteria	
Lancarian	I and the second

- Parameters required for each event - Intra-frequency event identity - Triggering condition1 - Triggering condition2 - Reporting Range - cells forbidden to affect reporting range - W(optional in case of 1a,1b) - Hysteresis - Threshold used frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cells - Maximum number of reported cells	1g Not Present Not Present Not Present Not Present Not Present 0.0 Not Present 3 Not Present 640 4 4000 Report cell within active set and/or monitored cells on used frequency 3 Not Present
information	Net Drocort
- 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)

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

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

casion info Not Present
ystem information
Not used
selection_quality (no data)
rement system
rement identity 1
rement quantity
0
TDD
ntity P-CCPCH RSCP
ing quantity for RACH Not Present
eported cells on RACH No report
for state CELL_DCH
ting quantity
for active set cells
time difference No report
information reporting TRUE
y indicator TRUE
TDD
ting indicator FALSE
orting required FALSE
porting indicator TRUE
ndicator FALSE
for monitored set cells
time difference reporting No report
information reporting FALSE
g indicator TRUE
Ing quantity for RACH Reported cells on RACH for state CELL_DCH ting quantity for active set cells time difference Information reporting TRUE TDD Taling indicator TRUE TDD TALSE Porting required Porting indicator TRUE TALSE TOTH TRUE TALSE TOTH TRUE TALSE TALSE TOTH TRUE TALSE T

- CHOICE mode - Timeslot ISCP reporting indicator - Proposal TSGN reporting required - P-CCPCH RSCP reporting indicator - Pathloss reporting indicator - Reporting quantities for detected set cells - Measurement reporting mode	TDD FALSE FALSE TRUE FALSE Not Present
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting	Event trigger
Mode	
-CHOICE report criteria - Intra-frequency measurement reporting	
criteria	
- Parameters required for each event	
- Intra-frequency event identity	1g
- Triggering condition1	Not Present
- Triggering condition2	Not Present
- Reporting Range	Not Present
 cells forbidden to affect reporting range 	Not Present
- W(optional in case of 1a,1b)	Not Present
- Hysteresis	0.0
- Threshold used frequency	Not Present
- Reporting deactivation threshold	3
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	4
- Reporting interval	4000
- Reporting cell status	Depart cell within active act and/or manitored cells on used
- CHOICE reported cells	Report cell within active set and/or monitored cells on used
- Maximum number of reported cells	frequency 3
- Inter-frequency measurement system	Not Present
information	1001100011
- 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 13 (used when supported PLMN type is ANSI-41)

For Packet-Switched domain
PS
ANSI-41
T.B.D
7
For Circuit-Switched domain
CS
ANSI-41
T.B.D
7
400 milliseconds
7
10 seconds
200
TRUE
FALSE
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 - PLMNs of intra-frequency cells list	
- PLMN identity	Set to the same value as indicated in MIB
- PLMNs of inter-frequency cells list	Not present
- PLMNs of inter-RAT cells list	Not present
- Connected mode PLMN identities	Not present

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	
	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
	100
- Number of TB and TTI List	4
- 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	10
- 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 ßc	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
	oub .
- PRACH partitioning	
- Access Service Class	Not Brosset
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
	THOSE FOR THE STATE OF THE STAT
- ASC Setting	FDD
- CHOICE mode	FDD (ADD (ID)
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
-	·

- ASC Setting	
- CHOICE mode	FDD
 Available signature Start Index 	0 (ASC#5)
 Available signature End Index 	7 (ASC#5)
 Assigned Sub-channel Number 	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	0.0 ((0.0 ((0)
- 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- AC-to-ASC mapping table	0.9 (for ASC#7)
- AC-to-ASC mapping table	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present FALSE
- STTD indicator - 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	(POLI)
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information - RLC Size	240
- Number of TB and TTI List	Z7U
- Number of Transport blocks	0
	1
- Number of Transport blocks	
	1

- Sami-static Transport Format Information	
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
 Power offset information 	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
 Power offset information 	Not Present
- CTFC information	4
- Power offset information	Not Present
- FACH/PCH information	HOLT TOOLIK
	(EA OLD)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
	100
- Number of TB and TTI List	
- Number of Transport blocks	0
	0 1
Number of Transport blocksNumber of Transport blocks	1
Number of Transport blocksNumber of Transport blocksNumber of Transport blocks	1 2
Number of Transport blocksNumber of Transport blocksNumber of Transport blocksCHOICE Mode	1 2 FDD
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	1 2
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information 	1 2 FDD
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	1 2 FDD
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval 	1 2 FDD ALL
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding 	1 2 FDD ALL 10 ms Convolutional
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate 	1 2 FDD ALL 10 ms Convolutional 1/2
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute 	1 2 FDD ALL 10 ms Convolutional ½ 220
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size 	1 2 FDD ALL 10 ms Convolutional 1/2 220 16 bit
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute 	1 2 FDD ALL 10 ms Convolutional ½ 220
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH)
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH)
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH)
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH)
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD ALL
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD ALL 10 ms
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD ALL 10 ms Turbo
 Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval 	1 2 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD ALL 10 ms

- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

<FFS>

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	Trot procent
- 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
	15
- 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
	ALL
- CHOICE Logical Channel List	
- 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	Complete
- 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 &c	10
	15
- Gain factor ßd	
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	(1111'B
- ASC Setting	Not Present
	INOUT TOOCHE
- ASC Setting	

- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	1111'B
- ASC Setting	Not Present
- ASC Setting - ASC Setting	Not i lesent
- CHOICE mode	FDD
	FDD(A.0.0.1/3)
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	0.0 ((4.00 ((0))
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
 Persistence scaling factor 	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
 Persistence scaling factor 	0.9 (for ASC#6)
 Persistence scaling factor 	0.9 (for ASC#7)
 AC-to-ASC mapping table 	Not present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	10 5/51
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
	Fixed
- Fixed or Flexible position	30
- Timing offset - TFCS	30
- Normal - TFCI Field 1 information	
	Complete
- CHOICE TFCS representation	Complete
- TFCS addition information - CHOICE CTFC Size	0 64
	2 bit
- CTFC information	0 Not Droppet
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	(501)
- 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	40
- 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

DIOLI info	İ
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	ľ
- 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	
	Not December
- 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
	Not Present
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
71	
- 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	Sommon transport origination
- RLC Size	260
	360
- Number of TB and TTI List	
- Number of Transport blocks	0
 Number of Transport blocks 	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
	'0000 0000 1111 1111'B
- Available Signature - 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
	150
- Rate matching attribute - 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 ßc	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature Start Index - Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	(ASC#1) 11111'B
- ASC Setting	Not Present
- ASC Setting	EDD
- CHOICE mode	FDD (ACCUR)
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present

- ASC Setting	
- CHOICE mode	FDD
 Available signature Start Index 	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	(1111'B
- Persistence scaling factor	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	complete
- CHOICE TFCS representation	complete
- TFCS addition information	2 hit
- CHOICE CTFC Size	2 bit
- CTFC information	0 Not Present
- Power offset information	Not Present
- CTFC information	Not Procent
- Power offset information - FACH/PCH information	Not Present
	(DCH)
- TFS	(PCH) Common transport channels
	Common transport channels
- CHOICE Transport channel type	'
- Dynamic Transport format information	
- Dynamic Transport format information - RLC Size	240
Dynamic Transport format informationRLC SizeNumber of TB and TTI List	240
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks 	240
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks 	240 0 1
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks 	240

- 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	10 ms Convolutional ½ 230 16 bit 12 (for PCH) FALSE
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
Secondary scrambling code STTD indicator	Not Present FALSE
	128
- Spreading factor - Code number	5
- 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	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present

EACH/DOLLinformation	ı
- FACH/PCH information - TFS	(FACH)
1	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	400
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	220
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	TRUE
- CBS DRX Level 1 information	
- Period of CTCH allocation (N)	2
- CBS frame offset (K)	0
ODO Hamo onoot (11)	I ~

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

<u>, </u>	
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	400
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1 500
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1 FDD
- CHOICE Mode	
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	20 mg
- Transmission time interval	20 ms
- Type of channel coding - Coding Rate	Convolutional ½
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	10
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	Complete
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	ŭ
- 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 ßc	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
 Available signature Start Index 	0 (ASC#1)
 Available signature End Index 	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	500
- CHOICE mode	FDD

- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
	'1111'B
- Assigned Sub-channel Number	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
 Assigned Sub-channel Number 	'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	0.10
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
	Complete
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	
	Not Present
	Not Present
- CTFC information	1
- CTFC information - Power offset information	
- CTFC information	1
- CTFC information - Power offset information	1 Not Present 2
CTFC informationPower offset informationCTFC informationPower offset information	1 Not Present 2 Not Present
 CTFC information Power offset information CTFC information Power offset information CTFC information 	1 Not Present 2 Not Present 3
 CTFC information Power offset information CTFC information Power offset information CTFC information Power offset information 	1 Not Present 2 Not Present 3 Not Present
 CTFC information Power offset information CTFC information Power offset information CTFC information Power offset information CTFC information 	1 Not Present 2 Not Present 3 Not Present 4
 CTFC information Power offset information CTFC information Power offset information CTFC information Power offset information 	1 Not Present 2 Not Present 3 Not Present
 CTFC information Power offset information CTFC information Power offset information CTFC information Power offset information CTFC information 	1 Not Present 2 Not Present 3 Not Present 4
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information	1 Not Present 2 Not Present 3 Not Present 4 Not Present
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information - TFS	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH)
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type	1 Not Present 2 Not Present 3 Not Present 4 Not Present
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH)
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0 1
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0 1 2
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset 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	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0 1 2 FDD
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset 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	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0 1 2
- CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - CTFC information - Power offset 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 - CHOICE Logical Channel List	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0 1 2 FDD
- CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset 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	1 Not Present 2 Not Present 3 Not Present 4 Not Present (FACH) Common transport channels 168 0 1 2 FDD

- 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

- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	128
- SIB_POS	26
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 5
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	128
- SIB_POS	22
- SIB_POS offset info	Not Present – use default
- SIB type SIBs only	System Information Type 7
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	58
- SIB_POS offset info	
- SIB_OFF	2

- SIB type SIBs only - Scheduling information	System Information Type 11
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SIB_REP	128
- SIB_POS	106
- SIB_POS offset info	
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
·	10
- 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	000
	4
- 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	
	Complete
- 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 &c	10
- Gain factor &d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	1.51.100011
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present

- ASC Setting	
- CHOICE mode	FDD
 Available signature Start Index 	0 (ASC#5)
 Available signature End Index 	7 (ASC#5)
 Assigned Sub-channel Number 	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
 Available signature Start Index 	0 (ASC#7)
 Available signature End Index 	7 (ASC#7)
 Assigned Sub-channel Number 	'1111'B
- Persistence scaling factor	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0 (Fair 0.000 DOLLE)
- Secondary CCPCH system information	(For 3 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor - Code number	128
	6
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed 30
- Timing offset - TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	Complete
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
	1 4
 Number of Transport blocks 	1
- Number of Transport blocks - CHOICE Mode	FDD

- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE (SCORCH including two FACHs)
- Secondary CCPCH info	(SCCPCH including two FACHs) Not Present
- Secondary scrambling code - 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	4 6:4
- CHOICE CTFC Size - CTFC information	4 bit
- Power offset information	0 Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
- Power offset information	Not Present
- FACH/PCH information	(-1.5.)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information - RLC Size	168
- Number of TB and TTI List	100
- 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 - CTCH indicator	13 (for FACH) 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 Mode - CHOICE Logical Channel List	
- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information	FDD ALL
- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval	FDD ALL 10 ms
- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information	FDD ALL

- CRC Size - CTCH Indicator - Secondary CCPCH info - Secondary scrambling code - Secondary scrambling code - Secondary scrambling code - Separating factor - Spreading factor - Spreading factor - Code number - Ficel assistence - Fixed or Flexible position - Fixed or Flexible position - Timing offset - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFC Size - CTFC information - CHOICE TFC Size - CTFC information - TFC infor		Lieus
Secondary Scrambling code Secondary Scrambling code Secondary Scrambling code Spraading factor Spreading factor Spreading factor Pict of Symbol existence Fixed or Flexible position Timing offset TFCI existence Fixed or Flexible position Timing offset TFCS Normal TFCI Field 1 information CHOICE TFCS representation TFCS addition information CHOICE TFCS representation TFC information CHOICE TFCS representation TFC information CTFC information TFACHIPOH	- CRC size	16bit
Secondary CCPCH info Secondary scrambling code STTD indicator Spreading factor Code number Pilot symbol existence TFCI existence TFCI existence TFCI existence TRUE Triming offset Triming offset TreCS addition information - CHOICE TFC Srepresentation TFCS addition information - CHOICE TFC Size CTFC information - CHOICE TFC Size CTFC information - TreC in	- Transport Channel Identity	14 (for FACH)
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Spreading factor Code number Pilot symbol existence Fixed or Flexible position Timing offset TFCI existence Fixed or Flexible position Timing offset TFCS Normal CHOICE TFC Size CHOICE TFC Size CTFC information Power offset information Power offse		
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- Fixed or Flexible position - Fixer or Flexible position - Timing offset - TFCS - Normal - TFCI field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - TFS - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - CRC Size - CHOICE Mode - CHOICE Transport channel type - Dynamic Transport format information - Transmission time interval - TFS - CHOICE Mode - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Number of Transport Blocks - CHOICE Mode - CHOICE M		
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- Normal - TFCI field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - TFC information - CTFC information - TFS - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel dentity - CTCH indicator - TTFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Transport Channel Ist - Number of TB and TTI List - Number of TB and TTI List - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - RLC Size - Transport Channel List - Semi-static Transport format information - RLC Size - Transport Channel List - Semi-static Transport format information - RLC Size - Transport Channel List - Semi-static Transport format information - RLC Size - Transport Channel List - Semi-static Transport format information - RLC Size - Transport Channel List - Semi-static Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - Transmission time interval - Type of channel Identity - Type	- Timing offset	90
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- TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information - CTFC information - Power offset information - CTFC information -	- TFCI Field 1 information	
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- CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information - CTFC information - Power offset information - CTFC information - Power offset		- Compress
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- Power offset information - CTFC information - Power offset information - CTFC information - Power offset information - Power of		
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- CTFC information - Power offset information - Power offset information - FACH/PCH information - TTFS - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - FTES - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format information - FTES - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transport Channel Identity - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transport Channel Identity - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - Type of CHOICE Indicator - Transport Channel Identity - Type of CHOICE Indicator - Transport Channel Identity - Type of CHOICE Indicator - Type of CHOICE In		
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- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - Tra	- Power offset information	Not Present
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- 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 - 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 - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TGR Size - Transport Channel Identity - CTCH indicator - TGR Size - Transport Channel Identity - CTCH indicator - TGR Size - Transport Channel Identity - CTCH indicator - TGR Size - TGR S		
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- 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 - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator 72 220 16 bit 16 (for FACH) FALSE (FACH) Common transport channels 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Transmission time interval	10 ms
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- 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 - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator 16 bit 16 (for FACH) Common transport channels 0 0 160 Common transport channels 10 0 10 11 12 13 14 15 15 16 16 17 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		
- 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 - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator 16 (for FACH) FALSE (FACH) Common transport channels 0 0 - Logical Channels - 1 - 10 ms - Type - 130 - 130 - 16bit - 17 (for FACH) - FALSE		
- CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator FALSE (FACH) Common transport channels 0 - Chumon transport channels 10 - Common transport channels		
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator (FACH) Common transport channels 40 40 40 40 40 41 41 41 42 44 44 44 44 45 46 46 46 47 48 48 48 48 48 48 48 48 48		
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator Common transport channels Common transport channels Common transport channels 10 0 11 12 13 10 10 11 10 11 10 11 11 12 13 14 15 16 17 17 18 18 18 18 18 18 18 18		
- Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - Rate matching attribute - Transport Channel Identity - CTCH indicator 360 40 10 10 11 12 13 15 16 17 17 18 18 18 18 18 18 18 18		
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- Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator 0 0 1 10 11 12 13 10 130 130		
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- Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator 1 FDD ALL 10 ms 10 ms 11 ms 11 ms 12 ms 12 ms 13 ms 13 ms 13 ms 14 ms 15 ms 16 ms 17 ransport Channel Identity 17 (for FACH) FALSE		
- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator FDD ALL 10 ms 11 ms 12 ms 130 16bit 17 (for FACH) FALSE		
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- Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator 10 ms Turbo 130 16bit 17 (for FACH) FALSE		
- Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator Turbo 130 16bit 17 (for FACH) FALSE		10 ms
 Rate matching attribute CRC size Transport Channel Identity CTCH indicator 130 16bit 17 (for FACH) FALSE 		
- CRC size 16bit - Transport Channel Identity 17 (for FACH) - CTCH indicator FALSE		
- Transport Channel Identity 17 (for FACH) - CTCH indicator FALSE		
- CTCH indicator FALSE		
- CDS DRA Level 1 Information Not Present		
	- CDO DKY Feach I Information	NOT Present

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

<FFS>

6.1.4 Default parameters for 1 to 8 cell environments

Default settings for cell No.1 (FDD):

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

Contents of System Information Block type 11 (FDD)

CIP12 indicator	TDUE
- SIB12 indicator	TRUE
- FACH measurement occasion info	Not Present
- Measurement control system information - Use of HCS	Not used
	Not used
- Cell_selection_and_reselection_quality	CPICH RSCP
measure	
- Intra-frequency measurement system	
information	1
Intra-frequency measurement identity Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Romovo no intro fraguenov colla
- New intra-frequency cells	Remove no intra-frequency cells
- Intra-frequency cell id	1
- Intra-frequency ceri id	
- Cell individual offset	0dB
- Reference time difference to cell	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)"
Triniary Scrambling code	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
, ,	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	Defeate desire titled IDefeate III III (III C (EDD))
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
Deimony CDICLLTV	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dB
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD Reference to table 6.1.1
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info - Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Mererence ume umerence to cen	INOUT LESCUE

- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1s.n
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- O-#----
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power

TRUE

FDD

Refer to clause titled "Default settings for cell No.4 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

5

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

Not Present TRUE

FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Cell for measurement
- Intra-frequency measurement quantity
- Filter coefficient
- Measurement quantity
- Intra-frequency reporting quantity for RACH Reporting
- Maximum number of reported cells on RACH
- Reporting information for state CELL_DCH
- Intra-frequency reporting quantity
- Reporting quantities for active set cells
- SFN-SFN observed time difference type
- Cell synchronisation information reporting indicator
- Cell identity reporting indicator
- CHOICE mode
- CPICH Ec/N0 reporting indicator
- CPICH RSCP reporting indicator
- Pathloss reporting indicator
- Reporting quantities for monitored set cells
- SFN-SFN observed time difference type
- Cell synchronisation information reporting indicator
- Cell identity reporting indicator
- CHOICE mode
- CPICH Ec/N0 reporting indicator
- CPICH RSCP reporting indicator
- Pathloss reporting indicator
- Reporting quantities for detected set cells
- Measurement reporting mode
- Measurement Report Transfer Mode
- Periodic Reporting/Event Trigger Reporting

Mode

- CHOICE report criteria
- Intra-frequency measurement reporting criteria
- Parameters required for each event
- Intra-frequency event identity
- Triggering condition 1
- Triggering condition 2
- Reporting Range Constant
- Cells forbidden to affect Reporting range
- W
- Hysteresis
- Threshold Used Frequency
- Reporting deactivation threshold

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

CPICH RSCP

Not Present

Not Present

No report **FALSE**

TRUE

FDD

FALSE

TRUE

FALSE

No report TRUE

TRUE

FDD

FALSE

TRUE

FALSE Not Present

Acknowledged mode RLC

Event trigger

Intra-frequency measurement reporting criteria

3 kinds

1a

Not Present

Active set cells and monitored set cells

5dB

Not Present

1.0 0.0

Not Present

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

- Intra-frequency cell info list
- CHOICE intra-frequency cell removal
- New intra-frequency cells
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info

Remove no intra-frequency cells

2

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.2 (FDD)"

in clause 6.1 Not Present

NOT Prese

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

3

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.3 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

4

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.4 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

5

0dB

Not Present TRUE

FDD

- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Orxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

8

0dB

Not Present

TRUE FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

-	u	rx	le١	/m	nin	

- Cell for measurement
- Intra-frequency measurement quantity
- Filter coefficient
- Measurement quantity
- Intra-frequency reporting quantity for RACH Reporting
- Maximum number of reported cells on RACH
- Reporting information for state CELL_DCH
- Intra-frequency reporting quantity
- Reporting quantities for active set cells
- SFN-SFN observed time difference type
- Cell synchronisation information reporting indicator
- Cell identity reporting indicator
- CHOICE mode
- CPICH Ec/N0 reporting indicator
- CPICH RSCP reporting indicator
- Pathloss reporting indicator
- Reporting quantities for monitored set cells
- SFN-SFN observed time difference type
- Cell synchronisation information reporting indicator
- Cell identity reporting indicator
- CHOICE mode
- CPICH Ec/N0 reporting indicator
- CPICH RSCP reporting indicator
- Pathloss reporting indicator
- Reporting quantities for detected set cells
- Measurement reporting mode
- Measurement Report Transfer Mode
- Periodic Reporting/Event Trigger Reporting Mode
- CHOICE report criteria
- Intra-frequency measurement reporting criteria
- Parameters required for each event
- Intra-frequency event identity
- Triggering condition 1
- Triggering condition 2
- Reporting Range Constant
- Cells forbidden to affect reporting range
- W
- Hysteresis
- Threshold Used Frequency
- Reporting deactivation threshold
- Replacement activation threshold
- Time to trigger
- Amount of reporting
- Reporting interval
- Reporting cell status
- CHOICE reported cell
- Maximum number of reported cells

Reference to table 6.1.1

Not Present

Λ

CPICH RSCP Not Present

Not Present

No report FALSE

TRUE FDD FALSE TRUE

FALSE

No report TRUE

TRUE FDD FALSE TRUE FALSE Not Present

Acknowledged mode RLC

Event trigger

Intra-frequency measurement reporting criteria

3 kinds

1a

Not Present

Active set cells and monitored set cells

5dB

Not Present

1.0

Not Present

2

Not Present

640 4

0

Report cell Within active set and/or monitored set cells on used frequency

3

- Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reported cell - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		
- Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Intra-frequency event identity - Triggering condition 1 - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Replacement activation threshold - Time to trigger - Amount of reporting	 Intra-frequency event identity 	1b
- Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Intra-frequency event identity - Triggering condition 1 - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Replacement activation threshold - Time to trigger - Amount of reporting	- Triggering condition 1	Active set cells and monitored set cells
- Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Not Present -	- Triggering condition 2	Not Present
- Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Time to trigger - Amount of reporting	- Reporting Range Constant	5dB
- W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Replacement activation threshold - Amount of reporting		Not Present
- Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		1.0
Reporting deactivation threshold Replacement activation threshold Time to trigger Amount of reporting Reporting interval Reporting cell status CHOICE reported cell Maximum number of reported cells Intra-frequency event identity Triggering condition 1 Triggering condition 2 Reporting Range Constant Cells forbidden to affect Reporting range W Hysteresis Threshold Used Frequency Reporting deactivation threshold Replacement activation threshold Replacement acti	- Hysteresis	0.0
Reporting deactivation threshold Replacement activation threshold Time to trigger Amount of reporting Reporting interval Reporting cell status CHOICE reported cell Maximum number of reported cells Intra-frequency event identity Triggering condition 1 Triggering condition 2 Reporting Range Constant Cells forbidden to affect Reporting range W Hysteresis Threshold Used Frequency Reporting deactivation threshold Replacement activation threshold Replacement acti	- Threshold Used Frequency	Not Present
- Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		Not Present
- Time to trigger - Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Reporting interval - Not Present - Not		Not Present
- Amount of reporting - Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reported cells - Not Present		640
- Reporting interval - Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		Not Present
- Reporting cell status - CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Report cell within active set and/or monitored set cells on used frequency 3 - Report cell within active set and/or monitored set cells on used frequency Not Present		Not Present
- CHOICE reported cell - Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		
- Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		Report cell within active set and/or monitored set cells on
- Maximum number of reported cells - Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting	•	
- Intra-frequency event identity - Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Not Present	- Maximum number of reported cells	
- Triggering condition 1 - Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		1c
- Triggering condition 2 - Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting		Not Present
- Reporting Range Constant - Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Not Present Not Present Not Present Not Present Solution - Not Present Not Present Not Present - Add - Amount of reporting - Amount of reporting - Not Present - Another Amount of Present - Amount of reporting - Not Present Not Present -		Not Present
- Cells forbidden to affect Reporting range - W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting - Not Present Not Present Not Present 3 640		Not Present
- W - Hysteresis - Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting Not Present Not Present 3 640 4		Not Present
- Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting Not Present Not Present 8 640 4	, , ,	Not Present
- Threshold Used Frequency - Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting Not Present Not Present 8 640 4	- Hysteresis	0.0
- Reporting deactivation threshold - Replacement activation threshold - Time to trigger - Amount of reporting Not Present 3 640 4		Not Present
- Time to trigger 640 - Amount of reporting 4		Not Present
- Amount of reporting 4	- Replacement activation threshold	3
	- Time to trigger	640
	- Amount of reporting	4
- Reporting interval 4000	- Reporting interval	4000
- Reporting cell status		
- CHOICE reported cell Report cell within active set and/or monitored set cells on		Report cell within active set and/or monitored set cells on
used frequency	·	
- Maximum number of reported cells 3	- Maximum number of reported cells	3
- Inter-frequency measurement system Not Present	- Inter-frequency measurement system	Not Present
information		
- Inter-RAT measurement system information	Inter-RAT measurement system information	Not Present
- Traffic volume measurement system Not Present		Not Present
information		
- UE internal measurement system information	UE internal measurement system information	Not Present

Default settings for cell No.1 (TDD):

Downlink input level	Reference clause 6.10 Parameter Set
Uplink output power	Minimum supported by the UE's power class.
PCCPCH/PCPICH carrier number	Reference clause 6.10 Parameter Set
Cell Channel Description	
- Primary CCPCH info	
- Cell parameters ID	0

Cell No.2

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.2 are identical to those of cell No.1 with the following exceptions:

Cell identity	0000 0000 0000 0000 0000 0000 0010B
URA identity	0000 0000 0000 0001B

Default settings for cell No.2 (FDD):

Downlink input level	Reference clause 6.10 Parameter Set
Uplink output power	Minimum supported by the UE's power class.
PCCPCH/PCPICH carrier number	Reference clause 6.10 Parameter Set
Cell Channel Description	
- Primary CPICH info	
- Primary scrambling code	150

Contents of System Information Block type 11 (FDD)

F 2020 1 11	1
- SIB12 indicator	TRUE
- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell_selection_and_reselection_quality	CPICH RSCP
measure	
- Intra-frequency measurement system	
information	
 Intra-frequency measurement identity 	1
- Intra-frequency cell info list	
 CHOICE intra-frequency cell removal 	Remove no intra-frequency cells
- New intra-frequency cells	
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	OND
	OdB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
a.y co.ag codo	in clause 6.1
Drimony CDICH TV nower	Not Present
- Primary CPICH TX power	
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	Not Present
- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
	רטט
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
· ·	
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	
1	OAD
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
,	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
	IALUE
- Cell Selection and Re-selection info	0.10
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
	. = =
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
	1

- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power

TRUE

FDD

Refer to clause titled "Default settings for cell No.4 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

5

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1

Not Present

FALSE 0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present

0 dB

FALSE

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

FDD

Not Present TRUE

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
 Cell individual offset 	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Refer to clause titled "Default settings for cell No.8 (FDD)"
	in clause 6.1
 Primary CPICH TX power 	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

 FACH measurement occasion info 	Not Present
- Measurement control system information	
- Use of HCS	Not used
 Cell_selection_and_reselection_quality 	CPICH RSCP
measure	
 Intra-frequency measurement system 	
information	
 Intra-frequency measurement identity 	1

- CHOICE mode - Primary CPICH info

- 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	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	o ID
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	Defends alone titled "Defends actions for call No. 2 (EDD)"
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
Driman, CDICH TV navor	in clause 6.1 Not Present
- Primary CPICH TX power - TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	PALSE
- Qoffset1 _{S.n}	0 dB
-,	Not Present
- Qoffset2s,n - Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE

FDD

- Primary scrambling code

- Primary CPICH TX power

- TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s,n} - Qoffset2s,n

Maximum allowed UL TX power
 HCS neighbouring cell information

- CHOICE mode - Qqualmin

- Qrxlevmin
- Intra-frequency cell id

- Cell info

- Cell individual offset

- Reference time difference to cell

Read SFN indicatorCHOICE modePrimary CPICH infoPrimary scrambling code

Primary CPICH TX powerTX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s,n} - Qoffset2s.n

- Maximum allowed UL TX power

- HCS neighbouring cell information

- CHOICE mode - Qqualmin - Qrxlevmin

- Intra-frequency cell id

- Cell info

- Cell individual offset

- Reference time difference to cell

Read SFN indicatorCHOICE modePrimary CPICH infoPrimary scrambling code

Primary CPICH TX powerTX Diversity indicator

- Cell Selection and Re-selection info

Qoffset1_{s,n}Qoffset2s,n

Maximum allowed UL TX powerHCS neighbouring cell information

CHOICE modeQqualminQrxleymin

- Intra-frequency cell id

- Cell info

- Cell individual offset

- Reference time difference to cell

Read SFN indicatorCHOICE modePrimary CPICH infoPrimary scrambling code

Primary CPICH TX powerTX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s,n} - Qoffset2s.n

Maximum allowed UL TX power
 HCS neighbouring cell information

CHOICE mode
 Qqualmin

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1 Not Present FALSE

0 dB Not Present

80

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB Not Present TRUE FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1 Reference to table 6.1.1

7

0dB

Not Present TRUE FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present FDD

Reference to table 6.1.1 Reference to table 6.1.1

8

0dB Not Present TRUE FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present FALSE

0 dB Not Present

Reference to table 6.1.1

Not Present FDD

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.2 (TDD):

Dov	vnlink input level	Reference clause 6.10 Parameter Set
Upli	nk output power	Minimum supported by the UE's power class.
PCC	CPCH/PCPICH carrier number	Reference clause 6.10 Parameter Set
Cell	Channel Description	
	- Primary CCPCH info	
	- Cell parameters ID	4

Cell No.3

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.3 are identical to those of cell No.1 with the following exceptions:

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

Default settings for cell No.3 (FDD):

Downlink input level	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	200

Contents of System Information Block type 11 (FDD)

CIP12 indicator	TDUE
- SIB12 indicator - FACH measurement occasion info	TRUE Not Present
	NOUT TOOCHL
- Measurement control system information - Use of HCS	Not used
- Ose of FC5 - Cell_selection_and_reselection_quality	CPICH RSCP
- Cell_selection_and_reselection_quality measure	OF TOTAL ROOF
- 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	The move no initia-nequency cells
- Intra-frequency cell id	3
- Cell info	3
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
i mary corambing code	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Intra-frequency cell id	2
- Cell info	_
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
Timesy seramoning seas	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s.n}	0 dB
- Qoffset2s.n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present

- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1s,n
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power

TRUE

FDD

Refer to clause titled "Default settings for cell No.4 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

5

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present

FALSE

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

FDD

Not Present TRUE

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)"
, ,	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s.n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell_selection_and_reselection_quality	CPICH RSCP
measure	
- 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 - Cell info	2
- Cell inio - Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id - Cell info	'
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0.40
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present Reference to table 6.1.1
Maximum allowed UL TX power HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	Defer to playing titled "Defeut actions for any No. 4 (EDD)"
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	TALOE
- Qoffset1 _{s.n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- Cell info	O-ID
- Cell individual offset	OdB Not Propert
Reference time difference to cell Read SFN indicator	Not Present TRUE
- Read SFN Indicator - CHOICE mode	TRUE FDD
- Primary CPICH info	
i iiiiaiy or for i iiio	1

- Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present

- Maximum allowed UL TX power - HCS neighbouring cell information Not Present - CHOICE mode **FDD**

- Qqualmin - Qrxlevmin - Intra-frequency cell id

- Cell individual offset - Reference time difference to cell

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code

- Primary CPICH TX power - TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s,n} - Qoffset2s.n

- Maximum allowed UL TX power - HCS neighbouring cell information

- CHOICE mode - Qaualmin - Qrxlevmin

- Intra-frequency cell id

- Cell info

- Cell info

- Cell individual offset

- Reference time difference to cell

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code

- Primary CPICH TX power - TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s.n} - Qoffset2s,n

- Maximum allowed UL TX power - HCS neighbouring cell information

- CHOICE mode - Qqualmin - Qrxlevmin

- Intra-frequency cell id

- Cell info

- Cell individual offset

- Reference time difference to cell

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code

- Primary CPICH TX power - TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s.n} - Qoffset2s.n

- Maximum allowed UL TX power - HCS neighbouring cell information

- CHOICE mode - Qqualmin

Reference to table 6.1.1

Reference to table 6.1.1 Reference to table 6.1.1

0dB Not Present **TRUE** FDD

Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1

Not Present **FALSE**

0 dB Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1 Reference to table 6.1.1

0dB Not Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present **FALSE**

0 dBNot Present

Reference to table 6.1.1

Not Present **FDD**

Reference to table 6.1.1 Reference to table 6.1.1

0dB Not Present **TRUE** FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present **FALSE**

0 dB Not Present

Reference to table 6.1.1

Not Present **FDD**

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.3 (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	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	0000 0000 0000 0000 0000 0000 0100B
URA identity	0000 0000 0000 0010B

Default settings for cell No.4 (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	250

Contents of System Information Block type 11 (FDD)

CIP12 indicator	TDUE
- SIB12 indicator - FACH measurement occasion info	TRUE Not Present
- Measurement control system information	INOCTICSCIIC
- Weastrement control system information - Use of HCS	Not used
	CPICH RSCP
- Cell_selection_and_reselection_quality	CPICH ROCP
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	Democra no intro francisco de la
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- Intra-frequency cell id	4
- Cell info	OND
- Cell individual offset	OdB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	D ()
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)"
D : OBJOURTY	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	a IB
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	1
- Cell info	0.15
- Cell individual offset	0dB
- Reference time difference to cell	Not Present

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1_{s.n} - Qoffset2s,n
- Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode
- Qqualmin - Qrxlevmin - Intra-frequency cell id
- Cell info - Cell individual offset
- Reference time difference to cell - Read SFN indicator - CHOICE mode
- Primary CPICH info - Primary scrambling code
- Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info
- Qoffset1_{s,n} - Qoffset2s.n
- Maximum allowed UL TX power - HCS neighbouring cell information
- CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id
- Cell info
- Cell individual offset - Reference time difference to cell
- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code
- Primary CPICH TX power - TX Diversity indicator
- Cell Selection and Re-selection info - Qoffset1_{s.n}
- Qoffset2s,n - Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode - Qqualmin - Qrxlevmin
- Intra-frequency cell id - Cell info - Cell individual offset
- Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code
- Primary CPICH TX power - TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n} - Qoffset2s,n - Maximum allowed UL TX power

TRUE **FDD**

Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1

Not Present **FALSE**

0 dBNot Present

Reference to table 6.1.1

Not Present **FDD**

Reference to table 6.1.1 Reference to table 6.1.1

0dB Not Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1

Not Present **FALSE**

0 dB Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1 Reference to table 6.1.1

6

0dB Not Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present **FALSE**

0 dBNot Present

Reference to table 6.1.1

Not Present **FDD**

Reference to table 6.1.1 Reference to table 6.1.1

0dBNot Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1

Not Present **FALSE**

0 dRNot Present

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)"
, ,	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s.n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
 Cell_selection_and_reselection_quality 	CPICH RSCP
measure	
 Intra-frequency measurement system 	
information	
- Intra-frequency measurement identity	1

Read SFN indicatorCHOICE modePrimary CPICH info

1 10 04.100 Version 0.3.0 Release 1333	21011010410040.5.0 (200.5
latra fraguency cell infe liet	
Intra-frequency cell info list CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	Remove no intra-frequency cells
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id - Cell info	3
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
Intra-frequency cell id Cell info	1
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 dD
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present Reference to table 6.1.1
Maximum allowed UL TX power HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	5
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SEN indicator	TRUE

TRUE

FDD

	n .		••	
-	Primary	scramb	lınc	ı code

- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1 $_{s,n}$
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

8

0dB

Not Present

TRUE FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Not Present

Reference to table 6.1.1

FDD

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.4 (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	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	0000 0000 0000 0000 0000 0000 0101B
URA identity	0000 0000 0000 0011B

Default settings for cell No.5 (FDD):

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

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	CPICH RSCP
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- Intra-frequency cell id	5
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.5 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s.n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qquairiiri - Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Intra-frequency cert id	J G
- Cell inito - Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary Scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
- I filliary scrainbiling code	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	INCOL
- Qoffset1 _{s.n}	0 dB
- 1	Not Present
- Qoffset2s,n	
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	OND
- Cell individual offset	0dB
- Reference time difference to cell	Not Present

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- Read SFN indicator	TRUE	
- CHOICE mode	FDD	
- Primary CPICH info	100	
- Primary scrambling code	Refer to clause titl	led "Default settings for cell No.4 (FDD)"
- I filliary scrainbiling code	in clause 6.1	Delault Settings for Cell 140.4 (1 DD)
- Primary CPICH TX power	Not Present	
- TX Diversity indicator	FALSE	
- Cell Selection and Re-selection info	17 LOL	
- Qoffset1 _{s,n}	0 dB	
•	Not Present	
Qoffset2s,nMaximum allowed UL TX power	Reference to table	611
- HCS neighbouring cell information	Not Present	5 0.1.1
- CHOICE mode	FDD	
- Qqualmin	Reference to table	611
- Qquaiiiiii - Qrxlevmin	Reference to table	
- Untra-frequency cell id	1	5 0.1.1
- Cell info	'	
- Cell individual offset	0dB	
- Reference time difference to cell	Not Present	
- Read SFN indicator	TRUE	
- CHOICE mode	FDD	
- Primary CPICH info	FDD	
- Primary Cricinillo - Primary scrambling code	Pofor to clause titl	led "Default settings for cell No.1 (FDD)"
- Filliary Scrambling code	in clause 6.1	ded Delault Settings for Cell No. 1 (FDD)
- Primary CPICH TX power	Not Present	
- TX Diversity indicator	FALSE	
- Cell Selection and Re-selection info	FALSE	
- Qoffset1 _{s.n}	0 dB	
-,		
- Qoffset2s,n	Not Present	611
- Maximum allowed UL TX power	Reference to table	0.1.1
- HCS neighbouring cell information	Not Present	
- CHOICE mode	FDD	611
- Qqualmin	Reference to table	
- Qrxlevmin	Reference to table	0.1.1
Intra-frequency cell id Cell info	6	
- Cell inio - Cell individual offset	0dB	
- Reference time difference to cell	Not Present	
- Read SFN indicator	TRUE	
- CHOICE mode	FDD	
- Primary CPICH info	רטט	
- Primary Crich into	Pofor to alougo titl	lad "Default cettings for call No 6 (EDD)"
- Filliary Scrambling code	in clause 6.1	led "Default settings for cell No.6 (FDD)"
- Primary CPICH TX power	Not Present	
- TX Diversity indicator	FALSE	
- Cell Selection and Re-selection info	1 ALGE	
- Qoffset1 _{s.n}	0 dB	
-,	Not Present	
Qoffset2s,nMaximum allowed UL TX power	Reference to table	611
- HCS neighbouring cell information	Not Present	÷ 0.1.1
- CHOICE mode	FDD	
	Reference to table	611
- Qqualmin - Qrxlevmin	Reference to table	
- Untra-frequency cell id	7	5 0.1.1
	'	
- Cell info - Cell individual offset	0dB	
- Reference time difference to cell	Not Present	
- Read SFN indicator	TRUE	
- Read SFN Indicator - CHOICE mode	FDD	
- Primary CPICH info	טט ו	
- Primary Scrambling code	Refer to clause titl	led "Default settings for cell No.7 (FDD)"
i mary sorambling code	in clause 6.1	Doladit Soulings for Cell No.1 (1 DD)
- Primary CPICH TX power	Not Present	

- Maximum allowed UL TX power Reference to table 6.1.1

- Primary CPICH TX power- TX Diversity indicator- Cell Selection and Re-selection info

- Qoffset1_{s,n}

- Qoffset2s,n

0 dB

Not Present FALSE

Not Present

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
 Cell individual offset 	0dB
 Reference time difference to cell 	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Refer to clause titled "Default settings for cell No.8 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

 FACH measurement occasion info 	Not Present
- Measurement control system information	
- Use of HCS	Not used
 Cell_selection_and_reselection_quality 	CPICH RSCP
measure	
 Intra-frequency measurement system 	
information	
 Intra-frequency measurement identity 	1

Cell individual offsetReference time difference to cell

- Read SFN indicator

- CHOICE mode - Primary CPICH info

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Intra-frequency cell info list		
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells	
New intra-frequency cells	Trainers no mila requestly some	
Intra-frequency cell id	2	
Cell info	_	
- Cell individual offset	0dB	
- Reference time difference to cell	Not Present	
- Read SFN indicator	TRUE	
- CHOICE mode	FDD	
- Primary CPICH info	1.22	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"	,
· ····································	in clause 6.1	
- Primary CPICH TX power	Not Present	
- TX Diversity indicator	FALSE	
- Cell Selection and Re-selection info		
- Qoffset1 _{s.n}	0 dB	
- Qoffset2s,n	Not Present	
- Maximum allowed UL TX power	Reference to table 6.1.1	
- HCS neighbouring cell information	Not Present	
- CHOICE mode	FDD	
- Qqualmin	Reference to table 6.1.1	
- Qrxlevmin	Reference to table 6.1.1	
Intra-frequency cell id	3	
· Cell info		
- Cell individual offset	0dB	
- Reference time difference to cell	Not Present	
- Read SFN indicator	TRUE	
- CHOICE mode	FDD	
- Primary CPICH info		
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"	,
.,	in clause 6.1	
- Primary CPICH TX power	Not Present	
- TX Diversity indicator	FALSE	
- Cell Selection and Re-selection info		
- Qoffset1 _{s.n}	0 dB	
- Qoffset2s,n	Not Present	
- Maximum allowed UL TX power	Reference to table 6.1.1	
- HCS neighbouring cell information	Not Present	
- CHOICE mode	FDD	
- Qqualmin	Reference to table 6.1.1	
- Qrxlevmin	Reference to table 6.1.1	
Intra-frequency cell id	4	
- Cell info		
- Cell individual offset	0dB	
- Reference time difference to cell	Not Present	
- Read SFN indicator	TRUE	
- CHOICE mode	FDD	
- Primary CPICH info		
 Primary scrambling code 	Refer to clause titled "Default settings for cell No.4 (FDD)"	,
	in clause 6.1	
- Primary CPICH TX power	Not Present	
- TX Diversity indicator	FALSE	
- Cell Selection and Re-selection info		
- Qoffset1 _{s,n}	0 dB	
- Qoffset2s,n	Not Present	
- Maximum allowed UL TX power	Reference to table 6.1.1	
- HCS neighbouring cell information	Not Present	
- CHOICE mode	FDD	
- Qqualmin	Reference to table 6.1.1	
- Qrxlevmin	Reference to table 6.1.1	
- Intra-frequency cell id	1	
- Cell info		
- Call individual offsat	OdB	

0dB Not Present

TRUE

FDD

	n .		••	
-	Primary	scramb	lınc	ı code

- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode - Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1s.n
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qaualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin

Refer to clause titled "Default settings for cell No.1 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

Not Present

TRUE FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present **FALSE**

0 dB

Not Present

Not Present

Reference to table 6.1.1

FDD

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.5 (TDD):

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

Cell No.6

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.6 are identical to those of cell No.1 with the following exceptions:

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

Default settings for cell No.6 (FDD):

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

Contents of System Information Block type 11 (FDD)

- FACH measurement occasion info - Was of HCS - Cell selection_and_reselection_quality measure - Intra-frequency measurement identity - Intra-frequency cell info list - CHOICE intra-frequency cell removal - New intra-frequency cell info - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Coll Selection and Re-selection info - Primary scrambling code - Primary crick mido - Primary scrambling code - Primary crick mido - Primary scrambling code - Primary CPICH TX power - TX Diversity indicator - Coll Selection and Re-selection info - Coll individual offset - Primary CPICH info - Primary scrambling code - Primary crick mido - Cell individual offset - Cell info - Cell info - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH info - Primary crick mido - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary crick mido - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH info - Primary crick mido - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary crick mido - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary crick mido - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary crick mido - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary crick mido - Cell individual offset - Reference time difference to cell - Reference time difference to cell - Reference time difference to cell - Reference to table 6.1.1 - Not Present - TRUE - FDD - Reference to table 6.1.1 - Not	- SIB12 indicator	TRUE
Measurement control system information Use of HCS Cell selection and reselection quality measure Intra-frequency measurement system information Intra-frequency cell ind list C-HOICE intra-frequency cell ind list C-HOICE intra-frequency cell ind Intra-frequency cell ind Cell indo Cell ind		
- Use of HCS - Cell selection_and_reselection_quality measure - Intra-frequency measurement system information - Intra-frequency cell info list - CHOICE intra-frequency cell removal - New intra-frequency cell info - Cell info individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell info - Cell info - Qualumin - Qualumin - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode -		Not i lesent
Cell selection_and_reselection_quality_measure Intra-frequency measurement system information Intra-frequency cell ind list C-IOICE intra-frequency cell removal New intra-frequency cell ind Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Reference time difference to cell Read SFN indicator Cell individual offset Reference time difference to cell Read SFN indicator Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Qualimin Intra-frequency cell id Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Reference to table 6.1.1 Reference to table 6.1.1 Not Present TRUE PDD Reference to table 6.1.1 Not Present PDD Reference to table 6.1.1 Not Present PDD Reference to table 6.1.1 Reference to table 6.1.1 Reference t		Not used
measure Intra-frequency measurement system information Intra-frequency cell into list Intra-frequency cell into list Intra-frequency cell into list Intra-frequency cell intra-frequency cell may coll intra-frequency cell into list Intra-frequency cell into Intra-frequency cell into intra-frequency cell into inte		
Intra-frequency measurement system information Intra-frequency cell into Intra-f		O IOTTOO
Information Intra-frequency cell into list CHOICE intra-frequency cell removal New intra-frequency cell into Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH TX power TX Diversity indicator Cell individual offset Primary CPICH into Cell individual offset Reference time difference to cell Read SFN indicator Primary Scrambling code Primary CPICH TX power TX Diversity indicator Cell individual offset Primary CPICH into Cell individual offset Reference time difference to cell Read SFN indicator CHOICE mode Primary CPICH into Pri		
- Intra-frequency cell ind list - CHOICE intra-frequency cell removal - New intra-frequency cell id - Cell individual offset - Rederence time difference to cell - Read SFN indicator - Cell Individual offset - Primary CPICH TX power - TX Diversity indicator - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell Individual offset - Reference time difference to cell - Read SFN indicator - Cell Selection and Re-selection info - Intra-frequency cell id - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1s,n - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Qualmini - Qurkermin - Intra-frequency cell id - Cell individual offset - Reference time difference to cell - Reference time difference time difference to cell - Reference to table 6.1.1 - Reference to table 6.		
- Intra-frequency cell info list - CHOICE intra-frequency cell info - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell individual offset - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Intra-frequency cell id - Cell info - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Individual offset - Primary CPICH info - Primary CPIC		1
- CHOICE intra-frequency cell removal - New intra-frequency cells - Intra-frequency cell id - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell Selection and Re-selection info - Primary CPICH info - Primary CPICH info - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell selection and Re-selection info - Cell individual offset - Primary CPICH info - Primary Scrambling code - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Offset2s,n - Qoffset2s,n - Qualamin - Ordewmin - Intra-frequency cells 6 OdB Not Present TRUE FDD Refer to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1 Not Present TRUE FDD Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1 Not Present TRUE FALSE 0 dB Not Present FALSE 0 dB Not Present TRUE FALSE 0 dB Not Present Reference to table 6.1.1 Not Present TRUE FALSE 0 dB Not Present TRUE FALSE 0 dB Not Present TRUE FALSE 0 dB Not Present PALSE 0 dB Not Present PALSE 0 dB Not Present TRUE FALSE 0 dB Not Present PALSE 0 dB Not Present Reference to table 6.1.1 Not Present TRUE FDD FDD 0 dB Not Present Reference to table 6.1.1 Not Present TRUE FDD FDD Reference to table 6.1.1 Not Present TRUE FDD FDD FDD FDD FDD FDD FDD FDD FDD FD		
- New intra-frequency cells - Intra-frequency cell di - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Intra-frequency cell id - Cell info - Cell selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Oquisamin - Intra-frequency cell id - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Ordiset/s, n - Qoffset/s, n - Q		Remove no intra-frequency cells
- Intra-frequency cell id - Cell individual offset - Reaference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell selection and Re-selection info - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Offset2s,n - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Cell selection and Re-selection info		Tremove no mila frequency cons
- Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1s,n - Quffset2s,n - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH info - Primary CPICH info - Cell selection and Re-selection info - Qoffset1s,n - Qoffset2s,n - Quffset2s,n - Auximum allowed UL TX power - TX Diversity indicator - CHOICE mode - Primary CPICH info - P		6
- Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Intra-frequency cell id - Cell midvidual offset - Reference time difference to cell - Read SFN indicator - Cell selection and Re-selection info - Intra-frequency cell id - Cell midvidual offset - Reference time difference to cell - Read SFN indicator - Cell Selection and Re-selection info - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - ClOICE mode - Qualamin - Oxdewmin - Intra-frequency cell id - Cell individual offset - Reference time difference to cell - Read SFN indicator - Cell Selection and Re-selection info - ClOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Cell information - CHOICE mode - Primary CPICH info - Primary CPICH info - Primary cprich in		ľ
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- Primary scrambling code - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1 _{s,n} - Qoffset2 _{s,n} - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id - Cell info - Cell individual offset Refer to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1 Not Present FALSE 0 dB Not Present Reference to table 6.1.1 Not Present FDD Reference to table 6.1.1 4		
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- Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id - Cell info - Cell individual offset Reference to table 6.1.1 Not Present FDD Reference to table 6.1.1 4 OdB	,	Not Present
- HCS neighbouring cell information - CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id - Cell info - Cell individual offset Not Present FDD Reference to table 6.1.1 Reference to table 6.1.1 4 OdB		Reference to table 6.1.1
- CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id - Cell info - Cell individual offset - CHOICE mode FDD Reference to table 6.1.1 Reference to table 6.1.1 4 OdB		Not Present
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- Intra-frequency cell id - Cell info - Cell individual offset 4 0dB		
- Cell info - Cell individual offset 0dB		4
- Reference time difference to cell Not Present	- Cell individual offset	0dB
TOTAL TOTAL	- Reference time difference to cell	Not Present

- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power

TRUE

FDD

Refer to clause titled "Default settings for cell No.4 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.1 (FDD)"

in clause 6.1 Not Present

0 dB

FALSE

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

0dB

FDD

Not Present **TRUE**

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present

0 dR

FALSE

Not Present

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)"
, ,	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s.n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell_selection_and_reselection_quality	CPICH RSCP
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1

- Intra-frequency cell info list - CHOICE intra-frequency cells - Reaference time difference to cell - Reaf SFN indicator - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - Cell individual offset - Reference time difference to cell - Reaf SFN indicator - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary crambling code - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Qugulmin - Ordewrin - Intra-frequency Cells - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH info - P		
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- CHOICE mode
- Qqualmin

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1 Not Present

Not Pres

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.1 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

8

0dB

Not Present

TRUE FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.6 (TDD):

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

Cell No.7

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.7 are identical to those of cell No.1 with the following exceptions:

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

Default settings for cell No.7 (FDD):

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

Contents of System Information Block type 11 (FDD)

CIP12 indicator	TDUE
- SIB12 indicator - FACH measurement occasion info	TRUE Not Present
- Measurement control system information	INOCTICSCIIC
- Weastrement control system information	Not used
	CPICH RSCP
- Cell_selection_and_reselection_quality	CPICH ROCP
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	Democra no intro francisco de la
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	7
- Intra-frequency cell id	7
- Cell info	OND
- Cell individual offset	OdB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	D ()
- Primary scrambling code	Refer to clause titled "Default settings for cell No.7 (FDD)"
D : OBJOURTY	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0.15
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	0.15
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	Defends alone filled ID-fault action (IIA) O/EDDNI
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
Drive on COICH TV	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0 40
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	0.15
- Cell individual offset	0dB
- Reference time difference to cell	Not Present

- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1 _{s,n}

- Qoffset2s,n - Maximum allowed UL TX power - HCS neighbouring cell information

- CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id

- Cell info

- Cell individual offset

- Reference time difference to cell

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code

- Primary CPICH TX power - TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s,n} - Qoffset2s,n

- Maximum allowed UL TX power - HCS neighbouring cell information

- CHOICE mode - Qqualmin - Qrxlevmin - Intra-frequency cell id

- Cell info

- Cell individual offset - Reference time difference to cell

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code

- Primary CPICH TX power - TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s.n} - Qoffset2s,n

- Maximum allowed UL TX power - HCS neighbouring cell information

- CHOICE mode - Qqualmin - Qrxlevmin

- Intra-frequency cell id

- Cell info

- Cell individual offset

- Reference time difference to cell

- Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code

- Primary CPICH TX power - TX Diversity indicator

- Cell Selection and Re-selection info

- Qoffset1_{s,n} - Qoffset2s,n

- Maximum allowed UL TX power

TRUE **FDD**

Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1

Not Present **FALSE**

0 dB Not Present

Reference to table 6.1.1

Not Present **FDD**

Reference to table 6.1.1 Reference to table 6.1.1

0dB Not Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1

Not Present **FALSE**

0 dB Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1 Reference to table 6.1.1

6

0dB Not Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present **FALSE**

0 dRNot Present

Reference to table 6.1.1

Not Present **FDD**

Reference to table 6.1.1 Reference to table 6.1.1

0dB Not Present **TRUE FDD**

Refer to clause titled "Default settings for cell No.1 (FDD)"

in clause 6.1 Not Present **FALSE**

0 dRNot Present Reference to table 6.1.1

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	8
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)"
, ,	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s.n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
 Cell_selection_and_reselection_quality 	CPICH RSCP
measure	
 Intra-frequency measurement system 	
information	
- Intra-frequency measurement identity	1

- Intra-frequency cell info list - CHOICE intra-frequency cells - Reaference time difference to cell - Reaf SFN indicator - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - Cell individual offset - Reference time difference to cell - Reaf SFN indicator - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary crambling code - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Qugulmin - Ordewrin - Intra-frequency Cells - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - CHOICE mode - Primary CPICH info - P		
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- Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1s,n - Maximum allowed UL TX power - HCS neighbouring cell information - Cell info - Primary CPICH Info - Pri	- Primary scrambling code	
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- Qoffset2s,n - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Ququlmin - Qrxlewmin - Cell individual offset - Reference time difference to cell - Read SFN indicator - CHOICE mode - Primary CPICH info - Primary scrambling code - Primary CPICH mode - Qoffset1s,n - Qoffset2s,n - Intra-frequency cell id - Cell info - Cell inforce time difference to cell - Read SFN indicator - CHOICE mode - Ququalmin - Qrxlewmin - Intra-frequency cell id - Cell inforce - CHOICE mode - Primary CPICH TX power - HCS neighbouring cell information - CHOICE mode - Ququalmin - Qrxlewmin - Intra-frequency cell id - Cell inforce - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1s,n - Qoffset1s,n - Qoffset1s,n - Qoffset1s,n - Qoffset1s,n - Qoffset1s,n - Qoffset2s,n - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Primary CPICH TX power - TX Diversity indicator - Cell Selection and Re-selection info - Qoffset1s,n - Qoffset2s,n - Maximum allowed UL TX power - HCS neighbouring cell information - CHOICE mode - Ququalmin - Qrxlewmin - Qrxlewmin - Qrxlewmin - Qrxlewmin - Cell info - Cell inforce -		0 dB
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-	Primary	scramblin	a code
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- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1

Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

1

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.1 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

8

0dB

Not Present

TRUE FDD

Refer to clause titled "Default settings for cell No.8 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Not Present

Reference to table 6.1.1

FDD

Reference to table 6.1.1

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.7 (TDD):

Downlink input level		Reference clause 6.10 Parameter Set	
Uplink output power		Minimum supported by the UE's power class.	
PCCPCH/PCPICH ca	arrier number	Reference clause 6.10 Parameter Set	
Cell Channel Descrip	tion		
- Primary CCP(CH info		
- Cell paramete	ers ID	123	

Cell No.8

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

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

Default settings for cell No.8 (FDD):

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

Contents of System Information Block type 11 (FDD)

CIP12 indicator	TDUE
- SIB12 indicator - FACH measurement occasion info	TRUE Not Present
- Measurement control system information	INOCTICSCIIC
- Weastrement control system information - Use of HCS	Not used
	CPICH RSCP
- Cell_selection_and_reselection_quality	CFICH ROCF
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	Democra no intro francisco de la
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	
- Intra-frequency cell id	8
- Cell info	OND
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	D (, ,) (, , , , , , , , , , , , , , ,
- Primary scrambling code	Refer to clause titled "Default settings for cell No.8 (FDD)"
D : OBJOURTY	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	Not Present
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
Deire and ODIOLLTV	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	0.40
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	0.15
- Cell individual offset	0dB
- Reference time difference to cell	Not Present

 Read SFN indic 	cator
------------------------------------	-------

- CHOICE mode
- Primary CPICH info
- Primary scrambling code

- Primary CPICH TX power

- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1s,n
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power

TRUE

FDD

Refer to clause titled "Default settings for cell No.4 (FDD)"

in clause 6.1 Not Present

Not Pres

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

5

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1 Not Present

FALSE

0 dB

Not Present Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

FDD

Not Present TRUE

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1 Not Present

0 dB

FALSE

Not Present

Reference to table 6.1.1

 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB
 Reference time difference to cell 	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Refer to clause titled "Default settings for cell No.1 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

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

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
 Cell_selection_and_reselection_quality 	CPICH RSCP
measure	
 Intra-frequency measurement system 	
information	
- Intra-frequency measurement identity	1

Read SFN indicatorCHOICE modePrimary CPICH info

	·
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	·
- Intra-frequency cell id	2
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
 Maximum allowed UL TX power 	Reference to table 6.1.1
 HCS neighbouring cell information 	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	3
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Intra-frequency cell id	4
- Cell info	OND
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	Poter to clause titled "Default settings for sell No.4 (EDD)"
- Primary scrambling code	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	TALSE
- Qoffset1 _{s.n}	0 dB
-,	
Qoffset2s,nMaximum allowed UL TX power	Not Present Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qquaimin - Qrxlevmin	Reference to table 6.1.1
- Untra-frequency cell id	5
- Intra-frequency cell id - Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE

TRUE

FDD

- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s.n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin

Refer to clause titled "Default settings for cell No.5 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

6

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.6 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

7

0dB

Not Present

TRUE

FDD

Refer to clause titled "Default settings for cell No.7 (FDD)"

in clause 6.1

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

1

0dB

Not Present

TRUE FDD

Refer to clause titled "Default settings for cell No.1 (FDD)"

in clause 6.1 Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

Reference to table 6.1.1

- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present

Default settings for cell No.8 (TDD):

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

6.1.5 Reference Radio Conditions for signalling test cases only (FDD)

The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.

Table 6.1.3 are the default settings for a non-suitable cell which is configured and always present whereas Table 6.1.4 is for a cell that is switched off. Cells configured according to Table 6.1.3 are for test cases in which it is necessary to make a cell unsuitable, and then subsequently make it suitable. This could be achieved by switching the cell off and then reconfiguration as in Table 6.1.4, but this takes a lot of time to do.

Table 6.1.1: Default settings for a serving cell in a single cell environment

Parameter	Unit	Cell 1
Cell type		Serving cell
UTRA RF Channel Number		Channel 1
Qqualmin	dB	-24
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
CPICH Ec (see notes 1 and 2)	dBm/3.84	-60
	MHz	

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	-81	-81
UE_TXPWR_MAX_RACH	dBm	21	21
CPICH Ec (see notes 1 and 2)	dBm/3.84	-60	-70
	MHz		

NOTE 1: The power level is specified in terms of CPICH_Ec instead of CPICH_RSCP as RSCP is a receiver measurement and only CPICH_Ec can be directly controlled by the SS.

NOTE 2: Both cells fulfil TS 25.304, 5.2.3.1.2 and TS 25.133, 8.1.2.2.1.

Table 6.1.3: Default settings for a non-suitable cell

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84	-90
	MHz	

NOTE 1: The power level is specified in terms of CPICH_Ec instead of CPICH_RSCP as RSCP is a receiver measurement and only CPICH_Ec can be directly controlled by the SS

NOTE 2: The cell is not suitable according to TS 25.304, 5.2.3.1.2

Table 6.1.4: Default settings for a non-suitable "Off" cell

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84	≤ -122
	MHz	

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.

"off".

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			

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

The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.

Table 6.1.6: Default settings for a serving cell in a single cell environment

Parameter	Unit	Cell 1
Cell type		Serving cell
UTRA RF Channel Number		Channel 1
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
PCCPCH RSCP	dBm	-60
NOTE: The cell fulfils TS 25.304, 5.2.3.1.2 and TS 25.123.		

Table 6.1.7: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment

Parameter	Unit	Cell 1	Cell 2
Cell type		Serving cell	Suitable neighbour cell
UTRA RF Channel Number		Channel 1	Channel 1
Qrxlevmin	dBm	-81	-81
UE_TXPWR_MAX_RACH	dBm	21	21
PCCPCH RSCP	dBm	-60	-70
NOTE: Both cells fulfil TS 25.304, 5.2.3.1.2 and TS 25.123.			

Table 6.1.8: Default settings for a non-suitable cell

Parameter	Unit	Level	
Qrxlevmin	dBm	-81	
UE_TXPWR_MAX_RACH	dBm	21	
PCCPCH RSCP dBm -91			
NOTE: The cell is not suitable according to TS 25.304, 5.2.3.1.2			

Table 6.1.9: Default settings for a non-suitable "Off" cell

Parameter	Unit	Level
Qrxlevmin	dBm	-81
UE_TXPWR_MAX_RACH	dBm	21
PCCPCH RSCP dBm ≤ -110		
NOTE: The cell is not suitable according to TS 25.304, 5.2.3.1.2.		

6.2 Number of neighbour cells

The options for the number of neighbour cells (ie the total number of active cells in the simulated network) are given below. See clause 6.1 for cell configurations.

6.2.1 Basic Network

Number of Cells	Use of Network Configuration
1	Basic UE registration; RRC Connection Establishment and
	Release; operation of dedicated channels in non-handover
	modes; general RF and EMC testing

6.2.2 Soft Handover Network (FDD)

Number of Cells	Use of Network Configuration/Constraints
	Can be used in place of basic network, plus offering operation of dedicated channels in 2 way soft handover or in 2 way SSDT handover for RF or signalling tests; simple cell reselection tests

6.2.3 Hard Handover Network

Number of Cells	Use of Network Configuration
2	Can be used in place of basic network, plus offering
	operation in 2 cell hard handover (inter-frequency)

6.2.4 'Roaming' Network

Number of Cells	Use of Network Configuration
7	This configuration is intended to provide the capability for
	extensive cell selection and reselection testing, as defined
	under Idle Mode Testing.
	It is <ffs> if 7 is the correct number of cells and also <ffs> is</ffs></ffs>
	the number of separate RF channels to be supported by the
	'Roaming Network'

6.3 Cell/BS codes etc

See clause 6.1.

6.4 Routing/location area

See clause 6.1.

6.5 Network options settings

See clause 6.1.

6.6 Power control mode

6.6.1 Downlink Power Control

6.6.1.1 Outer Loop Power Control

This is used to set the SIR requirements from the given BER/BLER requirements for the dedicated channel – the reference configuration is for the BER/BLER and SIR requirements to be fixed, ie Outer Loop Power Control is disabled.

6.6.1.2 Inner Loop Power Control

The inner loop power control adjusts the power of the dedicated channel to meet the SIR requirements. The reference condition is for the Inner Loop Power Control to be disabled.

6.6.2 Uplink Power Control

6.6.2.1 Outer Loop Power Control

This is used to set the SIR requirements from the given BER/BLER requirements for the dedicated channel – the reference configuration is for the BER/BLER and SIR requirements to be fixed, ie Outer Loop Power Control is disabled.

6.6.2.2 Inner Loop Power Control (FDD)

The inner loop power control adjusts the power of the dedicated channel to meet the SIR requirements.

6.7 Tx Diversity modes

The reference settings for Tx Diversity Mode shall be

6.7.1 Non-Diverse Operation

DL Transmit Diversity shall be disabled on all cells in the simulated network

6.7.2 Diverse Operation

6.7.2.1 Diverse Operation (FDD mode)

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

Channel	Open loop mode		Closed loop
	TSTD	STTD	Mode
P-CCPCH	_	X	_
SCH	X	-	_
S-CCPCH	_	X	_
DPCH	_	X	-
PICH	_	X	_
AICH	_	Χ	_

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 SCTD		
P-CCPCH	-	X	_
SCH	Х	_	_
DPCH	_	_	X

6.8 Compressed Mode Parameters

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

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

6.8.1 Single compressed mode pattern

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

6.8.1.1 Inter Frequency FDD measurement

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

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

Parameter	Value	Note	
TGSN (Transmission Gap Starting Slot	4		
Number)			
TGL1 (Transmission Gap Length 1)	7		
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.	
TGD (Transmission Gap Distance)	0		
TGPL1 (Transmission Gap Pattern	3		
Length)			
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.	
Length)			
TGCFN (Transmission Gap Connection	(Current CFN + (256 –		
Frame Number):	TTI/10msec))mod 256		
UL/DL compressed mode selection	DL & UL or DL	2 configurations possible. DL & UL / DL	
UL compressed mode method	SF/2	Q 027 22	
DL compressed mode method	SF/2		
Scrambling code change	No		
RPP (Recovery period power control	0		
mode)			
ITP (Initial transmission power control	0		
mode)			

6.8.1.2 Inter Frequency TDD measurement

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

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

Parameter	Value	Note	
TGSN (Transmission Gap Starting Slot	10		
Number)			
TGL1 (Transmission Gap Length 1)	10		
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.	
TGD (Transmission Gap Distance)	0		
TGPL1 (Transmission Gap Pattern	11		
Length)			
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.	
Length)			
TGCFN (Transmission Gap Connection	(Current CFN + (256 –		
Frame Number):	TTI/10msec))mod 256		
UL/DL compressed mode selection	DL & UL or DL	2 configurations possible. DL	
	07/2	& UL / DL	
UL compressed mode method	SF/2		
DL compressed mode method	Puncturing		
Scrambling code change	No		
RPP (Recovery period power control	0		
mode)			
ITP (Initial transmission power control	0		
mode)			

6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

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

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

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot	4	
Number)		
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	0	
TGPL1 (Transmission Gap Pattern	12	
Length)		
TGPL2 (Transmission Gap Pattern	-	Only one pattern in use.
Length)		
TGCFN (Transmission Gap Connection	(Current CFN + (256 –	
Frame Number):	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL & UL or DL	2 configurations possible. DL & UL / DL
UL compressed mode method	SF/2	0.02,02
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control	0	
mode)		
ITP (Initial transmission power control	0	
mode)		

6.8.1.4 Inter RAT measurement (GSM – Initial BSIC Identification)

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

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

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

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

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

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

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

6.8.2 Multiple compressed mode patterns

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

6.8.2.1 Inter RAT measurement GSM

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

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

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

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

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.

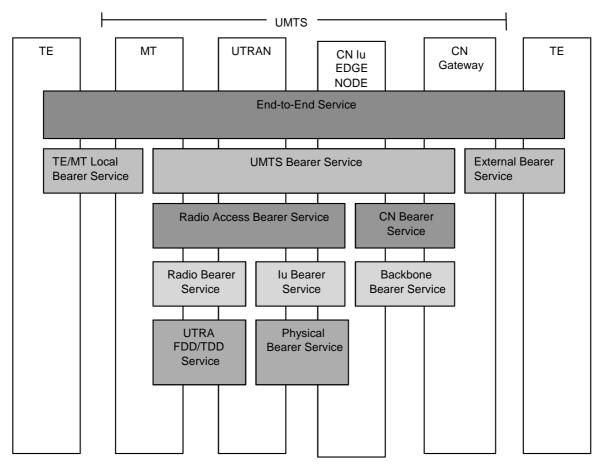


Figure 6.10.1.1: UMTS QoS Architecture

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 for FDD mode and 6.10.3.4 for TDD mode 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 for FDD mode and 6.10.3.4 for TDD mode may represent the maximum bit rate of Radio Bearer taking account into this management.

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

Table 6.10.1.1: Traffic classes

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	CS CS
			4.75) DL:(12.2	
			7.95 5.9 4.75)	
2	Conversational	Speech	UL:10.2 DL:10.2	CS
2a	Conversational	Speech	UL:(10.2, 6.7, 5.9,	CS
			4.75) DL:(10.2,	
			6.7, 5.9, 4.75)	
3	Conversational	Speech	UL:7.95 DL:7.95	CS
4	Conversational	Speech	UL:7.4 DL:7.4	CS
4a	Conversational	Speech	UL:(7.4, 6.7, 5.9,	CS
			4.75) DL:(7.4, 6.7,	
	Convergational	Chaoch	5.9, 4.75)	CC
5 6	Conversational Conversational	Speech	UL:6.7 DL:6.7	CS CS
7	Conversational	Speech	UL:5.9 DL:5.9 UL:5.15 DL:5.15	CS
8	Conversational	Speech 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.
- Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 20) Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 21) Streaming / unknown / UL:128 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 22) Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23) Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23a) Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23b) Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23c) Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23d) Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 24) Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 25) Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 26) Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 27) Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 28) Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 29) Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.

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

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

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

- Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 2) Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 3) Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 4) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:64 DL:256 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 5) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:64 DL:384 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 6) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:64 DL:2048 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.

Combinations on SCCPCH

- 1) Stand-alone 24 kbps SRB for PCCH.
- 2) Interactive or background / DL:32 kbps / PS RAB
 - + SRB for CCCH
 - + SRBs for DCCH
 - + SRB for BCCH.

- 3) Interactive or background / DL:32 kbps / PS RAB
 - + SRB for PCCH
 - + SRB for CCCH
 - + SRBs for DCCH
 - + SRB for BCCH.
- 4) RB for CTCH
 - + SRB for CCCH
 - +SRB for BCCH

Combinations on PRACH

- 1) Interactive or background / UL:32 kbps / PS RAB
 - + SRB for CCCH
 - + SRBs for DCCH.

6.10.2.3 Example of linkage between RABs and services

RABs, which are included in the present document, can provide the services as shown in table 6.10.1.1. Furthermore, the required BER for each RAB, which is assumed in the present document, is shown in table 6.10.2.3.1.

Table 6.10.2.3.1: Example of linkage between RABs and services

	F	RAB	Residual	Services	
Traffic class [15]	SSD [15]	Max. rate, kbps	CS/PS	BER [15]	
Conversational	Speech	UL:4.75-12.2 DL:4.75-12.2	CS	5x10 ⁻⁴ , 1x10 ⁻³ , 5x10 ⁻³	AMR speech
Conversational	Unknown	UL:64 DL:64	CS	1x10 ⁻⁴ or 1x10 ⁻⁶	UDI 1B, 64k 3G-324M [15]
Conversational	Unknown	UL:32 DL:32	CS	1x10 ⁻⁴ or 1x10 ⁻⁶	32k 3G-324M [15]
Conversational	Unknown	UL:28.8 DL:28.8	CS	1x10 ⁻³	Transparent modem
Streaming	Unknown	UL:14.4 DL:14.4	CS	1x10 ⁻³	FAX ^[6]
Streaming	Unknown	UL:28.8 DL:28.8	CS	1x10 ⁻³	FAX [18] PIAFS 32 kbps
Streaming	Unknown	UL:57.6 DL:57.6	CS	1x10 ⁻³	Modem [18], FTM [17] PIAFS 64 kbps
Streaming	Unknown	UL:64-128 or DL:64-384	CS	1x10 ⁻³ or 1x10 ⁻⁴	Streaming video, uni-directional
Interactive or Background	N/A	UL:32-384 DL:8-2048	PS	1x10 ⁻³ or 1x10 ⁻⁴	Packet

NOTE 1: SMS can be provided via the signalling RB (DCCH) on DPCH or SCCPCH.

NOTE 2: CBS can be provided via the signalling RB (CTCH) on SCCPCH.

NOTE 3: UDI *n*B can be provided via *n* RABs of conversational 64 kbps.

6.10.2.4 Typical radio parameter sets

6.10.2.4.1 Combinations on DPCH

6.10.2.4.1.1 Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.2.4.1.1.1 Uplink

6.10.2.4.1.1.1 Transport channel parameters

6.10.2.4.1.1.1.1 Transport channel parameters for UL:1.7 kbps SRBs for DCCH

Higher layer	RAB/signalling RE	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio Bea	arer	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel ty	/pe	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bp	S	1700	1600	1600	1600	
	AMD/UMD PDU header, bit		8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type		DCH				
	TB sizes, bit		148 (alt 0, 148)				
	TFS	TFS TF0, bits		0x148 (alt 1x0)			
		TF1, bits	1x148				
	TTI, ms		80				
	Coding type		CC 1/3				
	CRC, bit		16				
	Max number of bi	Max number of bits/TTI before rate		516			
	matching	matching					
	Uplink: Max numb		65				
	frame before rate	matching					
1	RM attribute			155-	-185		

6.10.2.4.1.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.1.1.2 Physical channel parameters

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

6.10.2.4.1.1.2 Downlink

6.10.2.4.1.1.2.1 Transport channel parameters

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

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

6.10.2.4.1.1.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.1.2.2 Physical channel parameters

DPCH Downlink			
	DTX position		N/A (SingleTrCH)
	Minimum spreading fac	tor	512
	DPCCH Number of TFCI bits/slot		0
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	4
		Number of data bits/frame	60

6.10.2.4.1.2 Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.2.1 Uplink

6.10.2.4.1.2.1.1 Transport channel parameters

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

Higher layer	RAB/signalling f	RB	SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio B	earer	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel	type	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, b	it	136	128	128	128	
	Max data rate, b	ps	3400	3200	3200	3200	
	AMD/UMD PDU	header, bit	8	16	16	16	
MAC	MAC header, bi		4	4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type		DCH				
	TB sizes, bit		148 (alt 0, 148)				
	TFS	TF0, bits	0x148 (alt 1x0)				
		TF1, bits	1x148				
	TTI, ms	TTI, ms		40			
	Coding type		CC 1/3				
	CRC, bit	CRC, bit		16			
	Max number of	oits/TTI before rate	516				
	matching	matching					
	Uplink: Max number of bits/radio			12	29		
	frame before rat	e matching					
	RM attribute			155	-185		

6.10.2.4.1.2.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.1.2 Physical channel parameters

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

6.10.2.4.1.2.2 Downlink

6.10.2.4.1.2.2.1 Transport channel parameters

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

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

6.10.2.4.1.2.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.2.2 Physical channel parameters

DPCH Downlink	DTX position		N/A (SingleTrCH)
	Minimum spreading fa	ictor	256
	DPCCH Number of TFCI bits/slot		0
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	14
		Number of data bits/frame	210

6.10.2.4.1.3 Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH

6.10.2.4.1.3.1 Uplink

6.10.2.4.1.3.1.1 Transport channel parameters

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

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4
	User of Radio Bea	rer	RRC	RRC	NAS_DT	NAS_DT
					High prio	Low prio
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH
	RLC mode		UM	AM	AM	AM
	Payload sizes, bit		136	128	128	128
	Max data rate, bps		13600	12800	12800	12800
	AMD/UMD PDU he	eader, bit	8	16	16	16
MAC	MAC header, bit		4	4	4	4
	MAC multiplexing		4 logical channel multiplexing			
Layer 1	TrCH type		DCH			
	TB sizes, bit		148 (alt 0, 148)			
	TFS	TF0, bits		0x148	(alt 1x0)	
		TF1, bits		1x	148	
	TTI, ms		10			
	Coding type	Coding type		CC 1/3		
	CRC, bit			16		
	Max number of bits	Max number of bits/TTI before rate		516		
	matching					
	Uplink: Max numbe frame before rate r			5	16	

6.10.2.4.1.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.1.2 Physical channel parameters

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

6.10.2.4.1.3.2 Downlink

6.10.2.4.1.3.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB	SRB#1	SRB#2	SRB#3	SRB#4		
	User of Radio Bearer	RRC	RRC	NAS_DT	NAS_DT		
				High prio	Low prio		
RLC	Logical channel type	DCCH	DCCH	DCCH	DCCH		
	RLC mode	UM	AM	AM	AM		
	Payload sizes, bit	136	128	128	128		
	Max data rate, bps	13600	12800	12800	12800		
	AMD/UMD PDU header, bit	8	16	16	16		
MAC	MAC header, bit	4	4	4	4		
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	DC		Н			
-	TB sizes, bit		148 (alt 0,	148) (note)			
	TFS TF0, bits		0x148 (alt	1x0) (note)			
	TF1, bits		1x ⁻	148			
	TTI, ms	10					
	Coding type	CC 1/3					
	CRC, bit		16				
	Max number of bits/TTI before rate matching		5	16			
NOTE: alterna	ative parameters enable the measurement	"transport chan	nel BLER" in th	ne UE.			

6.10.2.4.1.3.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.2.2 Physical channel parameters

DPCH Downlink	DTX position		N/A (SingleTrCH)
	Minimum spreading fact	or	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

6.10.2.4.1.4 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.4.1 Uplink

6.10.2.4.1.4.1.1 Transport channel parameters

6.10.2.4.1.4.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 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, 81 (alt. 0, 39, 81)	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, 81	103	60		
		(alt. 0, 39, 81)				
	TFS TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60		
	TF1, bits	1x39	1x103	1x60		
	TF2, bits	1x81	N/A	N/A		
	TTI, ms	20	20	20		
	Coding type	CC 1/3	CC 1/3	CC ½		
	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).

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

See clause 6.10.2.4.1.2.1.1.

6.10.2.4.1.4.1.1.3 TFCS

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

6.10.2.4.1.4.1.2 Physical channel parameters

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

6.10.2.4.1.4.2 Downlink

6.10.2.4.1.4.2.1 Transport channel parameters

6.10.2.4.1.4.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 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 81	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 81	103	60
	TFS TF0, bits	1x0 (note 2)	0x103	0x60
	(note 1) TF1, bits	1x39	1x103	1x60
	TF2, bits	1x81	N/A	N/A
	TTI, ms	20	20	20
	Coding type	CC 1/3	CC 1/3	CC ½
	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.).

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.4.2.1.3 TFCS

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

6.10.2.4.1.4.2.2 Physical channel parameters

DPCH	DTX position Spreading factor		Fixed
Downlink			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

6.10.2.4.1.4a 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 he	ader, 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	
		•	RC parity bits are to be a e is no data on RAB sul		-	

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), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0),
	(TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,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	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	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/Signa	alling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH		
	RLC mode		TM	TM	TM
	Payload s	izes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60
	Max data	rate, bps		12 200	
	TrD PDU I	header, bit		0	
MAC	MAC head	der, bit		0	
	MAC mult	iplexing		N/A	
Layer 1	TrCH type		DCH	DCH	DCH
	TB sizes,		0, 39, 42, 55, 75, 81	53, 63, 84, 103	60
	TFS	TF0, bits	1x0 (note 2)	0x103	0x60
	(note 1)	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	oe	CC 1/3	CC 1/3	CC 1/2
	CRC, bit	·	12	N/A	N/A
	Max numb	per of bits/TTI after oding	303	333	136
	RM attribu	ıte	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	DTX position		Fixed
Downlink	Spreading	g 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

6.10.2.4.1.5 Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.5.1 Uplink

6.10.2.4.1.5.1.1 Transport channel parameters

6.10.2.4.1.5.1.1.1 Transport channel parameters for Conversational / speech / UL:10.2 kbps / CS RAB

Higher layer	RAB/Sigi	nalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type			DTCH	
	RLC mod		TM	TM	TM
	Payload	sizes, bit	39, 65 (alt. 0, 39, 65)	99	40
	Max data	rate, bps	, , ,	10200	-
	TrD PDU	header, bit		0	
ИAC	MAC hea	ader, bit		0	
	MAC multiplexing			N/A	
_ayer 1	TrCH type		DCH	DCH	DCH
	TB sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
	TFS	TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
		TF1, bits	1x39	1x99	1x40
		TF2, bits	1x65	N/A	N/A
	TTI, ms		20	20	20
	Coding type		CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max num channel	ber of bits/TTI after coding	255	321	96
	Uplink: N	lax number of bits/radio fore rate matching	128	161	48
	RM attrib		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).

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.5.1.1.3 TFCS

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

6.10.2.4.1.5.1.2 Physical channel parameters

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

6.10.2.4.1.5.2 Downlink

6.10.2.4.1.5.2.1 Transport channel parameters

6.10.2.4.1.5.2.1.1 Transport channel parameters for Conversational / speech / DL:10.2 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	99	40
		39 65		
	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 65	99	40
	TFS TF0, bits	1x0 (note 2)	0x99	0x40
	(note 1) TF1, bits	1x39	1x99	1x40
	TF2, bits	1x65	N/A	N/A
	TTI, ms	20	20	20
	Coding type	CC 1/3	CC 1/3	CC ½
	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).

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.5.2.1.3 TFCS

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

6.10.2.4.1.5.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.5a 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/Sign	alling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical ch	nannel type		DTCH	
	RLC mod		TM	TM	TM
	Payload s	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 hea	der, bit		0	
	MAC mult	tiplexing		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 ty	pe	CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max numl channel c	ber of bits/TTI after oding	255	321	96
		ax number of frame before rate	128	161	48
	RM attribu	ute	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	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,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	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	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/Signa	alling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH		
	RLC mode		TM	TM	TM
	Payload si	zes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40
	Max data	rate, bps		10 200	•
	TrD PDU I	neader, bit		0	
MAC	MAC head	ler, bit		0	
	MAC multi	plexing		N/A	
Layer 1	TrCH type		DCH	DCH	DCH
	TB sizes, I	oit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40
	TFS	TF0, bits	1x0 (note 2)	0x99	0x40
	(note 1)	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 typ	oe	CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max number of bits/TTI after channel coding		255	321	96
	RM attribu	te	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.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)

6.10.2.4.1.5a.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.6 Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.6.1 Uplink

6.10.2.4.1.6.1.1 Transport channel parameters

6.10.2.4.1.6.1.1.1 Transport channel parameters for Conversational / speech / UL:7.95 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 75 (alt. 0, 39, 75)	84
	Max data rate, bps	795	50
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/.	A
Layer 1	TrCH type	DCH	DCH
•	TB sizes, bit	39, 75 (alt. 0, 39, 75)	84
	TFS TF0, bits	0x75 (alt. 1x0) (note)	0x84
	TF1, bits	1x39	1x84
	TF2, bits	1x75	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	285	276
	Uplink: Max number of bits/radio frame before	143	138
	rate matching		
	RM attribute	180-220	170-210

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.6.1.1.3 TFCS

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

6.10.2.4.1.6.1.2 Physical channel parameters

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

6.10.2.4.1.6.2 Downlink

6.10.2.4.1.6.2.1 Transport channel parameters

6.10.2.4.1.6.2.1.1 Transport channel parameters for Conversational / speech / DL:7.95 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DT	CH	
	RLC mode	TM	TM	
	Payload sizes, bit	0 39 75	84	
	Max data rate, bps		7950	
	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 75	84	
	TFS TF0, bits	1x0 (note 2)	0x84	
	(note 1) TF1, bits	1x39	1x84	
	TF2, bits	1x75	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	285	276	
	RM attribute	180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.6.2.1.3 TFCS

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

6.10.2.4.1.6.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.7 Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.7.1 Uplink

6.10.2.4.1.7.1.1 Transport channel parameters

6.10.2.4.1.7.1.1.1 Transport channel parameters for Conversational / speech / UL:7.4 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 61 (alt. 0, 39, 61)	87
	Max data rate, bps	740	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
_ayer 1	TrCH type	DCH	DCH
	TB sizes, bit	39, 61 (alt. 0, 39, 61)	87
	TFS TF0, bits	0x61 (alt. 1x0) (note)	0x87
	TF1, bits	1x39	1x87
	TF2, 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	122	143
	rate matching		
	RM attribute	180-220	170-210

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.7.1.1.3 TFCS

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

6.10.2.4.1.7.1.2 Physical channel parameters

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

6.10.2.4.1.7.2 Downlink

6.10.2.4.1.7.2.1 Transport channel parameters

6.10.2.4.1.7.2.1.1 Transport channel parameters for Conversational / speech / DL:7.4 kbps / CS RAB

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical ch	annel type	DT	CH
	RLC mode	9	TM	TM
	Payload s	izes, bit	0	87
			39	
			61	
	Max data	rate, bps	74	00
	TrD PDU I	header, bit	C	
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes,	bit	0	87
			39	
			61	
	TFS	TF0, bits	1x0 (note 2)	0x87
	(note 1)	TF1, bits	1x39	1x87
		TF2, bits	1x61	N/A
	TTI, ms		20	20
	Coding type	oe .	CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max numb	per 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.).

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.7.2.1.3 TFCS

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

6.10.2.4.1.7.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.7a 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/Sig	nalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DTC	Н
	RLC mod		TM	TM
	Payload sizes, bit		39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87
	Max data	a rate, bps	740	0
	TrD PDU	J header, bit	0	
MAC	MAC hea	ader, bit	0	
	MAC mu	Itiplexing	N/A	1
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 num	ber 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:		sing this alternative, CRC parity bits are TBlks are 1 even if there is no data on F		

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
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	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	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/Sign	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DTCH	
	RLC mod	e	TM	TM
	Payload s	sizes, bit	0, 39, 42, 55, 58, 61	53, 63, 76, 87
	Max data	rate, bps	740	00
	TrD PDU	header, bit	0	
MAC	MAC hea	der, 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	TF0, bits	1x0 (note 2)	0x87
	(note 1)	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
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

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.8 Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

Uplink 6.10.2.4.1.8.1

6.10.2.4.1.8.1.1 Transport channel parameters

6.10.2.4.1.8.1.1.1 Transport channel parameters for Conversational / speech / UL:6.7 kbps / CS RAB

Higher	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
layer			
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 58 (alt. 0, 39, 58)	76
	Max data rate, bps	670	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
-	TB sizes, bit	39, 58 (alt. 0, 39, 58)	76
	TFS TF0, bits	0x58 (alt. 1x0) (note)	0x76
	TF1, bits	1x39	1x76
	TF2, bits	1x58	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	234	252
	Uplink: Max number of bits/radio frame before rate matching	117	126
	RM attribute	180-220	170-210

of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.8.1.1.3 TFCS

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

6.10.2.4.1.8.1.2 Physical channel parameters

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

6.10.2.4.1.8.2 Downlink

6.10.2.4.1.8.2.1 Transport channel parameters

6.10.2.4.1.8.2.1.1 Transport channel parameters for Conversational / speech / DL:6.7 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTO	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	0	76	
		39		
		58		
	Max data rate, bps	670	00	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0	,	
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0	76	
		39		
		58		
	TFS TF0, bits	1x0 (note 2)	0x76	
	(note 1) TF1, bits	1x39	1x76	
	TF2, bits	1x58	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	234	252	
	RM attribute	180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.8.2.1.3 TFCS

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

6.10.2.4.1.8.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.9 Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.9.1 Uplink

6.10.2.4.1.9.1.1 Transport channel parameters

6.10.2.4.1.9.1.1.1 Transport channel parameters for Conversational / speech / UL:5.9 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTC	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 55 (alt. 0, 39, 55)	63	
	Max data rate, bps	590	5900	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A	4	
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 55 (alt. 0, 39, 55)	63	
	TFS TF0, bits	0x55 (alt. 1x0) (note)	0x63	
	TF1, bits	1x39	1x63	
	TF2, bits	1x55	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	225	213	
	Uplink: Max number of bits/radio frame before	113	107	
	rate matching	190 220	170 210	
	RM attribute	180-220	170-210	
	In case of using this alternative, CRC parity bits are of TrBlks are 1 even if there is no data on RAB subfl			

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.9.1.1.3 TFCS

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

6.10.2.4.1.9.1.2 Physical channel parameters

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

6.10.2.4.1.9.2 Downlink

6.10.2.4.1.9.2.1 Transport channel parameters

6.10.2.4.1.9.2.1.1 Transport channel parameters for Conversational / speech / DL:5.9 kbps / CS RAB

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical ch	annel type	DT	CH	
	RLC mode	9	TM	TM	
	Payload s	izes, bit	0	63	
			39		
			55		
	Max data	rate, bps	59	00	
	TrD PDU I	header, bit	C		
MAC	MAC head	der, bit	C	0	
	MAC mult	iplexing	N/A		
Layer 1	TrCH type	•	DCH	DCH	
	TB sizes,	bit	0	63	
			39		
			55		
	TFS	TF0, bits	1x0 (note 2)	0x63	
	(note 1)	TF1, bits	1x39	1x63	
		TF2, bits	1x55	N/A	
	TTI, ms		20	20	
	Coding type	oe	CC 1/3	CC 1/3	
	CRC, bit		12	N/A	
	Max numb	per of bits/TTI after channel coding	225	213	
	RM attribu	ite	180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.9.2.1.3 TFCS

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

6.10.2.4.1.9.2.2 Physical channel parameters

DPCH	DTX position		Fixed
Downlink	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

6.10.2.4.1.10 Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps

SRBs for DCCH

6.10.2.4.1.10.1 Uplink

6.10.2.4.1.10.1.1 Transport channel parameters

6.10.2.4.1.10.1.1 Transport channel parameters for Conversational / speech / UL:5.15 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, 49 (alt. 0, 39, 49)	54
	Max data rate, bps	515	50
	TrD PDU header, bit	0	
ИAC	MAC header, bit	0	
	MAC multiplexing	N/A	
_ayer 1	TrCH type	DCH	DCH
•	TB sizes, bit	39, 49 (alt. 0, 39, 49)	54
	TFS TF0, bits	0x49 (alt. 1x0) (note)	0x54
	TF1, bits	1x39	1x54
	TF2, bits	1x49	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	207	186
	Uplink: Max number of bits/radio frame before	104	93
	rate matching		
	RM attribute	180-220	170-210

6.10.2.4.1.10.1.1.2 Transport channel parameters for UL:1.7 kbps SRBs for DCCH

See clause 6.10.2.4.1.1.1.1

6.10.2.4.1.10.1.1.3 TFCS

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

6.10.2.4.1.10.1.2 Physical channel parameters

DPCH	Min spreading factor	128
Uplink	Max number of DPDCH data bits/radio	300
	frame	
	Puncturing Limit	0.84

6.10.2.4.1.10.2 Downlink

6.10.2.4.1.10.2.1 Transport channel parameters

6.10.2.4.1.10.2.1.1 Transport channel parameters for Conversational / speech / DL:5.15 kbps / CS RAB

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical ch	annel type	DT	CH
	RLC mode	9	TM	TM
	Payload s	izes, bit	0	54
			39	
			49	
	Max data	rate, bps	51	50
	TrD PDU I	header, bit	C)
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type	•	DCH	DCH
	TB sizes,	bit	0	54
			39	
			49	
	TFS	TF0, bits	1x0 (note 2)	0x54
	(note 1)	TF1, bits	1x39	1x54
		TF2, bits	1x49	N/A
	TTI, ms		20	20
	Coding type	oe .	CC 1/3	CC 1/3
	CRC, bit		12	N/A
		per of bits/TTI after channel coding	207	186
	RM attribute		180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.2.4.1.10.2.1.2 Transport channel parameters for DL:1.7 kbps SRBs for DCCH

See clause 6.10.2.4.1.1.2.1.1

6.10.2.4.1.10.2.1.3 TFCS

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

6.10.2.4.1.10.2.2 Physical channel parameters

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

6.10.2.4.1.11 Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.2.4.1.11.1 Uplink

6.10.2.4.1.11.1.1 Transport channel parameters

6.10.2.4.1.11.1.1 Transport channel parameters for Conversational / speech / UL:4.75 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RĹC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 42 (alt. 0, 39, 42)	53
	Max data rate, bps	475	50
	TrD PDU header, bit	0	
ЛАC	MAC header, bit	0	
	MAC multiplexing	N/A	A
ayer 1	TrCH type	DCH	DCH
-	TB sizes, bit	39, 42 (alt. 0, 39, 42)	53
	TFS TF0, bits	0x42 (alt. 1x0) (note)	0x53
	TF1, bits	1x39	1x53
	TF2, bits	1x42	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	186	183
	Uplink: Max number of bits/radio frame before	93	92
	rate matching		
	RM attribute	180-220	170-210

6.10.2.4.1.11.1.1.2 Transport channel parameters for UL:1.7 kbps SRBs for DCCH

See clause 6.10.2.4.1.1.1.1

6.10.2.4.1.11.1.3 TFCS

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

6.10.2.4.1.11.1.2 Physical channel parameters

DPCH	Min spreading factor	128
Uplink	Max number of DPDCH data bits/radio	300
	frame	
	Puncturing Limit	0.92

6.10.2.4.1.11.2 Downlink

6.10.2.4.1.11.2.1 Transport channel parameters

6.10.2.4.1.11.2.1.1 Transport channel parameters for Conversational / speech / DL:4.75 kbps / CS RAB

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DTCH	
	RLC mode		TM	TM
	Payload s	zes, bit	0 39 42	53
	Max data	rate, bps		750
		neader, bit		0
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, bit		0 39 42	53
	TFS	TF0, bits	1x0 (note 2)	0x53
	(note 1)	TF1, bits	1x39	1x53
		TF2, bits	1x42	N/A
	TTI, ms		20	20
	Coding type		CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max numb	er of bits/TTI after channel coding	186	183
	RM attribute		180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.2.4.1.11.2.1.2 Transport channel parameters for DL:1.7 kbps SRBs for DCCH

See clause 6.10.2.4.1.1.2.1.1

6.10.2.4.1.11.2.1.3 TFCS

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

6.10.2.4.1.11.2.2 Physical channel parameters

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

6.10.2.4.1.12 Conversational / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.12.1 Uplink

6.10.2.4.1.12.1.1 Transport channel parameters

6.10.2.4.1.12.1.1.1 Transport channel parameters for conversational / unknown / UL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	576	
	Max data rate, bps	28800	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	576	
	TFS TF0, bits	0x576	
	TF1, bits	1x576	
	TF2, bits	2x576	
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	3564	
	Uplink: Max number of bits/radio frame before	891	
	rate matching		
	RM attribute	160-200	

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.12.1.1.3 TFCS

TFCS size	6
TFCS	(28.8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.12.1.2 Physical channel parameters

DPCH	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio frame	1200
	Puncturing Limit	0.92

6.10.2.4.1.12.2 Downlink

6.10.2.4.1.12.2.1 Transport channel parameters

6.10.2.4.1.12.2.1.1 Transport channel parameters for conversational / unknown / DL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB		RAB
RLC	Logical o	channel type	DTCH
	RLC mo	de	TM
	Payload	sizes, bit	576
	Max data	a rate, bps	28800
	TrD PDU header, bit		0
MAC	MAC hea	ader, bit	0
	MAC mu	ıltiplexing	N/A
Layer 1	TrCH typ	oe .	DCH
	TB sizes, bit		576
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms	•	40
	Coding t	ype	TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		3564
	RM attrib	oute	160-200

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.12.2.1.3 TFCS

TFCS size	6
TFCS	(28.8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.12.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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

6.10.2.4.1.13 Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.13.1 Uplink

6.10.2.4.1.13.1.1 Transport channel parameters

6.10.2.4.1.13.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

Higher	RAB/Signalling RB		RAB
layer			
RLC	Logical channel	type	DTCH
	RLC mode		TM
	Payload sizes, b	it	640
	Max data rate, b	ps	64000
	TrD PDU heade	r, bit	0
MAC	MAC header, bit	:	0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		640
	TFS	TF0, bits	0x640
		TF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		3948(alt. 7884)
	Uplink: Max number of bits/radio frame before		1974(alt. 1971)
	rate matching		·
	RM attribute		150-195

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.13.1.1.3 TFCS

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

6.10.2.4.1.13.1.2 Physical channel parameters

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

6.10.2.4.1.13.2 Downlink

6.10.2.4.1.13.2.1 Transport channel parameters

6.10.2.4.1.13.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

Higher layer	RAB/Signalling RB		RAB
RLC	Logical channel type		DTCH
	RLC mode		TM
	Payload sizes, bit		640
	Max data rate, bps		64000
	TrD PDU header, bit		0
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		640
	TFS 7	ΓF0, bits	0x640
		ΓF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI aft	ter channel coding	3948(alt. 7884)
	RM attribute	-	150-195

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.13.2.1.3 TFCS

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

6.10.2.4.1.13.2.2 Physical channel parameters

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

6.10.2.4.1.14 Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.14.1 Uplink

6.10.2.4.1.14.1.1 Transport channel parameters

6.10.2.4.1.14.1.1.1 Transport channel parameters for Conversational / unknown / UL:32 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	640
	Max data rate, bps	32000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	640
	TFS TF0, bits	0x640
	TF1, bits	1x640(alt. 2x640)
	TTI, ms	20(alt. 40)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1980(alt. 3948)
	Uplink: Max number of bits/radio frame before	990(alt. 987)
	rate matching	
	RM attribute	165-210

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.13.1.1.3 TFCS

TFCS size	4
TFCS	(32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.14.1.2 Physical channel parameters

DPCH	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
	Puncturing Limit	0.80

6.10.2.4.1.14.2 Downlink

6.10.2.4.1.14.2.1 Transport channel parameters

6.10.2.4.1.14.2.1.1 Transport channel parameters for Conversational / unknown / DL:32 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	640
	Max data rate, bps	32000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	640
	TFS TF0, bits	0x640
	TF1, bits	1x640(alt. 2x640)
	TTI, ms	20(alt. 40)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1980(alt. 3948)
	RM attribute	165-210

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.14.2.1.3 TFCS

TFCS size	4
TFCS	(32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.14.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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

6.10.2.4.1.15 Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.15.1 Uplink

6.10.2.4.1.15.1.1 Transport channel parameters

6.10.2.4.1.15.1.1.1 Transport channel parameters for Streaming / unknown / UL: 14.4 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	14400
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1788
	Uplink: Max number of bits/radio frame before	447
	rate matching	
	RM attribute	145-185

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.15.1.1.3 TFCS

TFCS size	4
TFCS	(14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.15.1.2 Physical channel parameters

DPCH	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	Puncturing Limit	0.88

6.10.2.4.1.15.2 Downlink

6.10.2.4.1.15.2.1 Transport channel parameters

6.10.2.4.1.15.2.1.1 Transport channel parameters for Streaming / unknown / DL:14.4 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	14400
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TTI, ms	40
	Coding type	TC
Ì	CRC, bit	16
	Max number of bits/TTI after channel coding	1788
	RM attribute	145-185

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.15.2.1.3 TFCS

TFCS size	4
TFCS	(14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.15.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		128
	DPCCH	Number of TFCI bits/slot	2
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	28
		Number of data bits/frame	420

6.10.2.4.1.16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.16.1 Uplink

6.10.2.4.1.16.1.1 Transport channel parameters

6.10.2.4.1.16.1.1.1 Transport channel parameters for Streaming / unknown / UL:28.8 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
layer		D=0.11
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Uplink: Max number of bits/radio frame before	891
	rate matching	
	RM attribute	135-175

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.16.1.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.1.2 Physical channel parameters

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

6.10.2.4.1.16.2 Downlink

6.10.2.4.1.16.2.1 Transport channel parameters

6.10.2.4.1.16.2.1.1 Transport channel parameters for Streaming / unknown / DL:28.8 kbps / CS RAB

Higher layer	RAB/Signalling RB		RAB
RLC	Logical	channel type	DTCH
	RLC mo	de	TM
	Payload	sizes, bit	576
	Max data	a rate, bps	28800
	TrD PDU header, bit		0
MAC	MAC he	ader, bit	0
	MAC mu	ultiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		576
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms	·	40
	Coding t	type	TC
	CRC, bit	t	16
	Max nun	nber of bits/TTI after channel coding	3564
	RM attril	bute	135-175

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.16.2.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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

6.10.2.4.1.17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.17.1 Uplink

6.10.2.4.1.17.1.1 Transport channel parameters

6.10.2.4.1.17.1.1.1 Transport channel parameters for Streaming / unknown / UL:57.6 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	57600
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TF3, bits	3x576
	TF4, bits	4x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	7116
	Uplink: Max number of bits/radio frame before rate matching	1779

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.17.1.1.3 TFCS

TFCS size	10
TFCS	(57.6 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.17.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	Puncturing Limit	0.96

6.10.2.4.1.17.2 Downlink

6.10.2.4.1.17.2.1 Transport channel parameters

6.10.2.4.1.17.2.1.1 Transport channel parameters for Streaming / unknown / DL:57.6 kbps / CS RAB

Higher layer	RAB/Sigr	nalling RB	RAB
RLC	Logical cl	hannel type	DTCH
	RLC mod	le	TM
	Payload s	sizes, bit	576
	Max data	rate, bps	57600
	TrD PDU	header, bit	0
MAC	MAC hea	der, bit	0
	MAC mul	tiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		576
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
		TF3, bits	3x576
		TF4, bits	4x576
	TTI, ms		40
	Coding type		TC
	CRC, bit		16
	Max num	ber of bits/TTI after channel coding	7116
	RM attrib	ute	125-165

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.17.2.1.3 TFCS

TFCS size	10
TFCS	(57.6 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.17.2.2 Physical channel parameters

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

6.10.2.4.1.18 Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for

DCCH

6.10.2.4.1.18.1 Uplink

6.10.2.4.1.18.1.1 Transport channel parameters

6.10.2.4.1.18.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS RAB

N/A

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.18.1.1.3 TFCS

See clause 6.10.2.4.1.2.1.1.2.

6.10.2.4.1.18.1.2 Physical channel parameters

See clause 6.10.2.4.1.2.1.2.

6.10.2.4.1.18.2 Downlink

6.10.2.4.1.18.2.1 Transport channel parameters

6.10.2.4.1.18.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	64000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8076
	RM attribute	125-165

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.18.2.1.3 TFCS

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

6.10.2.4.1.18.2.2 Physical channel parameters

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

6.10.2.4.1.19 Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

DOC

6.10.2.4.1.19.1 Uplink

6.10.2.4.1.19.1.1 Transport channel parameters

6.10.2.4.1.19.1.1.1 Transport channel parameters for Streaming / unknown / UL:64 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	64000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8076
	Uplink: Max number of bits/radio frame before rate matching	2019
	RM attribute	125-165

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.19.1.1.3 TFCS

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

6.10.2.4.1.19.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	Puncturing Limit	1

6.10.2.4.1.19.2 Downlink

6.10.2.4.1.19.2.1 Transport channel parameters

6.10.2.4.1.19.2.1.1 Transport channel parameters for Streaming / unknown / DL:0 kbps / CS RAB

N/A

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.19.2.1.3 TFCS

See clause 6.10.2.4.1.2.2.1.2.

6.10.2.4.1.19.2.2 Physical channel parameters

See clause 6.10.2.4.1.2.2.2.

6.10.2.4.1.20	Void
6.10.2.4.1.21	Void
6.10.2.4.1.22	Void
6.10.2.4.1.23	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH
6.10.2.4.1.23.1	Uplink
6.10.2.4.1.23.1.1	Transport channel parameters

6.10.2.4.1.23.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
layer		
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 (alt. N/A)
	TTI, ms	20 (alt. 10)
	Coding type	TC (alt. CC 1/3)
	CRC, bit	16
	Max number of bits/TTI after channel coding	2124 (alt. 1080)
	Uplink: Max number of bits/radio frame before	1062 (alt. 1080)
	rate matching	
	RM attribute	135-175

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23.1.1.3 TFCS

TFCS size	6 (alt. 4)
TFCS	(32 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1))

6.10.2.4.1.23.1.2 Physical channel parameters

DPCH	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
	Puncturing Limit	0.88

6.10.2.4.1.23.2 Downlink

6.10.2.4.1.23.2.1 Transport channel parameters

6.10.2.4.1.23.2.1.1 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	TC (alt. CC 1/3)	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1068 (alt. 1080)	
	RM attribute	135-175	

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23.2.1.3 TFCS

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

6.10.2.4.1.23.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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

6.10.2.4.1.23a 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	270
	before rate matching	
	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	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
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	g RB	RAB
RLC	Logical channe	el type	DTCH
	RLC mode		AM
	Payload sizes	, bit	320
	Max data rate,	bps	8000
	AMD PDU hea	ader, bit	16
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		336
	TFS TF	-0, bits	0x336
	TF	=1, bits	1x336
	TTI, ms		40
	Coding type		CC 1/3
	CRC, bit		16
	Max number o	f 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	DTX position		Flexible
Downlink	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/Signal	ling RB	RAB
RLC	Logical char	nnel type	DTCH
	RLC mode		AM
	Payload size	es, bit	320
	Max data ra	te, bps	16000
	AMD PDU h	neader, bit	16
MAC	MAC heade	r, bit	0
	MAC multip	lexing	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
		number of bits/radio frame	531
	before rate	matching	
	RM attribute	9	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	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
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/Sig	nalling RB	RAB
RLC	Logical o	channel type	DTCH
	RLC mo	de	AM
	Payload	sizes, bit	320
	Max data	a rate, bps	16000
	AMD PD	U 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 nun	nber of bits/TTI after channel coding	2124
	RM attrib	oute	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	DTX position		Flexible
Downlink	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 mo		AM
	Payload	sizes, bit	320
	Max data	a rate, bps	32000
	AMD PD	U header, bit	16
MAC	MAC hea	ader, bit	0
	MAC mu	Iltiplexing	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 attrib	oute	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 (32 kbps RAB, DCCH)= (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF4,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)	1),

6.10.2.4.1.23c.1.2 Physical channel parameters

DPCH	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
	Puncturing Limit	0.88

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	DTX positi	on	Flexible
Downlink			
	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

6.10.2.4.1.23d 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/Sigr	nalling RB	RAB
RLC	Logical cl	hannel type	DTCH
	RLC mod	le	AM
	Payload s	sizes, bit	320
	Max data	rate, bps	32000
	AMD PDI	U header, bit	16
MAC	MAC hea	der, bit	0
	MAC mul	tiplexing	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 ty	/pe	TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		2124
		lax number of bits/radio frame	1062
		te matching	
	RM attrib	ute	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	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
	Puncturing Limit	0.88

6.10.2.4.1.23d.2 Downlink

6.10.2.4.1.23d.2.1 Transport channel parameters

6.10.2.4.1.23d.2.1.1 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB

Higher layer	RAB/Sig	gnalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mc	ode	AM
	Payload	I sizes, bit	320
	Max dat	a rate, bps	32000
	AMD P	DU header, bit	16
MAC	MAC he	eader, 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 nur	mber of bits/TTI after channel coding	2124
	RM attri	bute	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	DTX position	on	Flexible
Downlink			
	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

6.10.2.4.1.24 Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for **DCCH**

Uplink 6.10.2.4.1.24.1

6.10.2.4.1.24.1.1 Transport channel parameters

Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB 6.10.2.4.1.24.1.1.1

Higher layer	RAB/Signa	lling RB	RAB
RLC	Logical channel type		DTCH
	RLC mode		AM
	Payload siz	zes, bit	320
	Max data ra	ate, bps	64000
	AMD PDU	header, bit	16
MAC	MAC heade	er, 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		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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.24.1.1.3 TFCS

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

6.10.2.4.1.24.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	Puncturing Limit	0.96

6.10.2.4.1.24.2 Downlink

See clause 6.10.2.4.1.23.2.

6.10.2.4.1.25 Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.25.1 Uplink

See clause 6.10.2.4.1.23.1.

6.10.2.4.1.25.2 Downlink

6.10.2.4.1.25.2.1 Transport channel parameters

6.10.2.4.1.25.2.1.1 Transport channel parameters for Interactive or background / DL:64 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	64000
	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	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	RM attribute	130-170

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.25.2.1.3 TFCS

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

6.10.2.4.1.25.2.2 Physical channel parameters

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

6.10.2.4.1.26 Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.26.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.26.2 Downlink

See clause 6.10.2.4.1.25.2.

6.10.2.4.1.27 Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.27.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.27.2 Downlink

6.10.2.4.1.27.2.1 Transport channel parameters

6.10.2.4.1.27.2.1.1 Transport channel parameters for Interactive or background / DL:128 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	128000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460
	RM attribute	120-160

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.27.2.1.3 TFCS

TFCS size	10
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.27.2.2 Physical channel parameters

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

6.10.2.4.1.28 Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps

SRBs for DCCH

6.10.2.4.1.28.1 Uplink

6.10.2.4.1.28.1.1 Transport channel parameters

Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB 6.10.2.4.1.28.1.1.1

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	128000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460
	Uplink: Max number of bits/radio frame before rate matching	4230
	RM attribute	120-160

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.28.1.1.3 TFCS

TFCS size	10
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.28.1.2 Physical channel parameters

DPCH	Min spreading factor	8
Uplink	Max number of DPDCH data bits/radio	4800
	frame	
	Puncturing Limit	0.96

6.10.2.4.1.28.2 Downlink

See clause 6.10.2.4.1.27.2.

6.10.2.4.1.29 Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs

for DCCH

6.10.2.4.1.29.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.29.2 Downlink

6.10.2.4.1.29.2.1 Transport channel parameters

6.10.2.4.1.29.2.1.1 Transport channel parameters for Interactive or background / DL:144 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	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	RM attribute	140-180

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.29.2.1.3 TFCS

TFCS size	12	
TFCS	(144 kbps RAB, DCCH)=	
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)	
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)	

6.10.2.4.1.29.2.2 Physical channel parameters

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

6.10.2.4.1.30 Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps

SRBs for DCCH

6.10.2.4.1.30.1 Uplink

6.10.2.4.1.30.1.1 Transport channel parameters

6.10.2.4.1.30.1.1.1 Transport channel parameters for Interactive or background / UL:144 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	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	Uplink: Max number of bits/radio frame before	4758
	rate matching	
	RM attribute	140-180

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.30.1.1.3 TFCS

TFCS size	12
TFCS	(144 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.2.4.1.30.1.2 Physical channel parameters

DPCH	Min spreading factor	8
Uplink	Max number of DPDCH data bits/radio	4800
	frame	
	Puncturing Limit	0.84

6.10.2.4.1.30.2 Downlink

See clause 6.10.2.4.1.29.2.

6.10.2.4.1.31 Interactive or background / UL:64 DL:256 kbps / PS RAB

+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.1.31.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.31.2 Downlink

6.10.2.4.1.31.2.1 Transport channel parameters

6.10.2.4.1.31.2.1.1 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	N/A (alt. 12x336)
	TF6, bits	N/A (alt. 16x336)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460(alt. 16920)
	RM attribute	135-175

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.31.2.1.3 TFCS

TFCS size	10 (alt.14)	
TFCS	(256 kbps RAB, DCCH)=	
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),	
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)	
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0)	
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))	

6.10.2.4.1.31.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	wnlink Spreading factor		8
	Number od DPDCH		1
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

6.10.2.4.1.32 Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.1.32.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.32.2 Downlink

6.10.2.4.1.32.2.1 Transport channel parameters

6.10.2.4.1.32.2.1.1 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	12x336
	TF6, bits	N/A (alt. 16 x336)
	TF7, bits	N/A (alt. 20 x336)
	TF8, bits	N/A (alt. 24 x336)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	12684(alt. 25368)
	RM attribute	110-150

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.32.2.1.3 TFCS

TFCS size	12 (alt.18)
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1))

6.10.2.4.1.32.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		8
	Number of DPDCH		1
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

6.10.2.4.1.33 Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.33.1 Uplink

See clause 6.10.2.4.1.28.1.

6.10.2.4.1.33.2 Downlink

See clause 6.10.2.4.1.32.2.

6.10.2.4.1.34 Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.34.1 Uplink

6.10.2.4.1.34.1.1 Transport channel parameters

6.10.2.4.1.34.1.1.1 Transport channel parameters for Interactive or background / UL:384 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	12x336
	TF6, bits	16x336(alt. N/A)
	TF7, bits	20x336(alt. N/A)
	TF8, bits	24 x336 (alt. N/A)
	TTI, ms	20 (alt. 10)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	25368
	Uplink: Max number of bits/radio frame before	12684
	rate matching	
	RM attribute	110-150

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.34.1.1.3 TFCS

TFCS size	18 (alt.12)
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1))

6.10.2.4.1.34.1.2 Physical channel parameters

DPCH	Min spreading factor	4
Uplink	Max number of DPDCH data bits/radio	9600
	frame	
	Number of DPDCH	1
	Puncturing Limit	0.72

6.10.2.4.1.34.2 Downlink

See clause 6.10.2.4.1.32.2.

6.10.2.4.1.35 Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps

SRBs for DCCH

6.10.2.4.1.35.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.35.2 Downlink

6.10.2.4.1.35.2.1 Transport channel parameters

6.10.2.4.1.35.2.1.1 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
layer		
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	640
	Max data rate, bps	2048000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	656
	TFS TF0, bits	0x656
	TF1, bits	1x656
	TF2, bits	2x656
	TF3, bits	4 x656
	TF4, bits	8 x656
	TF5, bits	12x656
	TF6, bits	16x656
	TF7, bits	20x656
	TF8, bits	24x656
	TF9, bits	28x656
	TF10, bits	32x656
	TF11, bits	N/A (alt. 36x656)
	TF12, bits	N/A (alt. 40x656)
	TF13, bits	N/A (alt. 44x656)
	TF14, bits	N/A (alt. 48x656)
	TF15, bits	N/A (alt. 52x656)
	TF16, bits	N/A (alt. 56x656)
	TF17, bits	N/A (alt. 60x656)
	TF18, bits	N/A (alt. 64x656)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	64575 (alt. 129141)
	RM attribute	130-170

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.35.2.1.3 TFCS

TFCS size	22 (alt.38)
TFCS	(2048 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0), (TF9, TF0), (TF10, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1)
	(alt. TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0),(TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0),
	(TF15, TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0), (TF15,
	TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0))

6.10.2.4.1.35.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading fa	actor	4
	Number of [DPCH	3
	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	1248
		Number of data bits/frame	18720

6.10.2.4.1.36 Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.36.1 Uplink

See clause 6.10.2.4.1.28.1.

6.10.2.4.1.36.2 Downlink

See clause 6.10.2.4.1.35.2.

6.10.2.4.1.37 Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.37.1 Uplink

See clause 6.10.2.4.1.34.1.

6.10.2.4.1.37.2 Downlink

See clause 6.10.2.4.1.35.2.

6.10.2.4.1.38 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

6.10.2.4.1.38.1 Uplink

6.10.2.4.1.38.1.1 Transport channel parameters

6.10.2.4.1.38.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB

See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.38.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB See clause 6.10.2.4.1.23.1.1.1.

6.10.2.4.1.38.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38.1.1.4 TFCS

TFCS size	18 (alt. 12)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32kbps 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, 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)
	(alt. (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, 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))

6.10.2.4.1.38.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data 2400	
	bits/radio frame	
	Puncturing Limit 0.96	

6.10.2.4.1.38.2 Downlink

6.10.2.4.1.38.2.1 Transport channel parameters

6.10.2.4.1.38.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.38.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB See clause 6.10.2.4.1.23.2.1.1.

6.10.2.4.1.38.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.

6.10.2.4.1.38.2.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3,8kbps 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, 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)

6.10.2.4.1.38.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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

6.10.2.4.1.38a Conversational / speech / 12.2 kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB + UL:3.4 bps 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), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,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	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	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), (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	DTX position		Fixed
Downlink	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	267
	before rate matching	
	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), (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,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	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
	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), (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,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1)

6.10.2.4.1.38b.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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

6.10.2.4.1.38c 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,TF1,TF0), (TF1,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,TF1),
	(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,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	2400
	frame	
	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,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	DTX posit	ion	Flexible
Downlink	Spreading factor		32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

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 chann	nel multiplexing	
Layer 1	TrCH type	DO	DCH	
	TB sizes, bit	34	10	
	TFS TF0, bits	0x3	340	
	TF1, bits	1x3	340	
	TF2, bits	2x3	340	
	TF3, bits	3x3	340	
	TF4, bits	4x3	340	
	TTI, ms		20	
	Coding type		TC	
	CRC, bit		16	
	Max number of bits/TTI after channel codi	•	4284	
	Uplink: Max number of bits/radio frame	21	42	
	before rate matching			
	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	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	Puncturing Limit	0.76

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 mo	de	AM	AM	
	Payload	sizes, bit	320	320	
	Max dat	a rate, bps	64000	64000	
	AMD PD	OU header, bit	16	16	
MAC	MAC he	ader, bit	4	4	
	MAC multiplexing		2 logical chan	2 logical channel multiplexing	
Layer 1	TrCH type		DCH		
	TB sizes, bit		340		
	TFS	0x340	0x340		
		1x340	1x340		
		2x340	2x	340	
		3x340	3x	340	
		4x340	4x340		
	TTI, ms		20		
	Coding type		TC		
	CRC, bit		16		
	Max number of bits/TTI after channel coding		4284		
	RM attril	oute	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), (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,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	DTX posit	ion	Flexible
Downlink	Spreading factor		32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

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), (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), (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	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	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	DTX posit	ion	Fixed
Downlink	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,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,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	1200
	frame	
	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), (TF5,TF4,TF1,TF0,TF0),
	(TF0,TF0,TF1,TF0), (TF1,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,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	DTX position		Flexible
Downlink	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), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1), (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,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,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	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	1200
	frame	
	Puncturing Limit	0.88

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), (TF5,TF4,TF1,TF0,TF0),
	(TF0,TF0,TF1,TF0), (TF1,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,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,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	DTX position		Flexible
Downlink	Spreading	g 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

6.10.2.4.1.38h 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,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,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	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
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,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,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	DTX position		Flexible
Downlink	Spreading factor		32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

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	48
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(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,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,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,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.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	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,TF1,TF0), (TF1,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,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	DTX position		Flexible
Downlink	Spreading factor		32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

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

6.10.2.4.1.39 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

6.10.2.4.1.39.1 Uplink

See clause 6.10.2.4.1.38.1.

6.10.2.4.1.39.2 Downlink

6.10.2.4.1.39.2.1 Transport channel parameters

6.10.2.4.1.39.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.39.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB See clause 6.10.2.4.1.25.2.1.1.

6.10.2.4.1.39.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.39.2.1.4 TFCS

TFCS size	30
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, TF1, 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, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(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)

6.10.2.4.1.39.2.2 Physical channel parameters

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

6.10.2.4.1.40 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

6.10.2.4.1.40.1 Uplink

6.10.2.4.1.40.1.1 Transport channel parameters

6.10.2.4.1.40.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.40.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.2.4.1.24.1.1.1.

6.10.2.4.1.40.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.40.1.1.4 TFCS

TFCS size	30
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, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, 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, 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)

6.10.2.4.1.40.1.2 Physical channel parameters

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

6.10.2.4.1.40.2 Downlink

See clause 6.10.2.4.1.39.2.

6.10.2.4.1.41 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

6.10.2.4.1.41.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.1.41.2 Downlink

6.10.2.4.1.41.2.1 Transport channel parameters

6.10.2.4.1.41.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.41.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB See clause 6.10.2.4.1.27.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.41.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, 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)

6.10.2.4.1.41.2.2 Physical channel parameters

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

6.10.2.4.1.42 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

6.10.2.4.1.42.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.1.42.2 Downlink

6.10.2.4.1.42.2.1 Transport channel parameters

6.10.2.4.1.42.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.42.2.1.2 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB See clause 6.10.2.4.1.31.2.1.1.

6.10.2.4.1.42.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.42.2.1.4 TFCS

TFCS size	30 (alt. 42)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 256 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF1),
	(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, 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)
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1))

6.10.2.4.1.42.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	ownlink Spreading factor Number of DPDCH		8
			1
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

6.10.2.4.1.43 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

6.10.2.4.1.43.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.1.43.2 Downlink

6.10.2.4.1.43.2.1 Transport channel parameters

6.10.2.4.1.43.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.43.2.1.2 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB See clause 6.10.2.4.1.32.2.1.1.

6.10.2.4.1.43.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.43.2.1.4 TFCS

TEOO -:	100 (-1), 54)
TFCS size	36 (alt. 54)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1))

6.10.2.4.1.43.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Downlink Spreading factor Number of DPDCH		8
			1
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

6.10.2.4.1.44 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

6.10.2.4.1.44.1 Uplink

6.10.2.4.1.44.1.1 Transport channel parameters

6.10.2.4.1.44.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.44.1.1.2 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB See clause 6.10.2.4.1.28.1.1.1.

6.10.2.4.1.44.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.44.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, 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, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(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)

6.10.2.4.1.44.1.2 Physical channel parameters

DPCH	Min spreading factor	8
Uplink	Max number of DPDCH data	4800
	bits/radio frame	
	Puncturing Limit	0.92

6.10.2.4.1.44.2 Downlink

6.10.2.4.1.44.2.1 Transport channel parameters

6.10.2.4.1.44.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.44.2.1.2 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB See clause 6.10.2.4.1.35.2.1.1.

6.10.2.4.1.44.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.44.2.1.4 TFCS

TFCS size	66 (alt. 114)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 2048 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0), (TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1, TF1), (TF1, TF1), (TF1, TF1, TF1), (TF1, TF1, TF1, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1), TF0, TF0, TF0, TF0, TF0, TF0, TF0, TF0
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	(TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1)
	(TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1)
	(alt. (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), (TF1, TF0, TF0, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0), (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0)
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0), (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	(TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	(TF0, TF0, TF0, TF11, TF0), (TF1, TF0, TF0, TF11, TF0), (TF2, TF1, TF1, TF11, TF0),
	(TF0, TF0, TF0, TF12, TF0), (TF1, TF0, TF0, TF12, TF0), (TF2, TF1, TF1, TF12, TF0), (TF0, TF0, TF0, TF13, TF0), (TF1, TF0, TF0, TF13, TF0), (TF2, TF1, TF1, TF13, TF0),
	(TF0, TF0, TF14, TF0), (TF1, TF0, TF0, TF14, TF0), (TF2, TF1, TF1, TF14, TF0),
	(TF0, TF0, TF15, TF0), (TF1, TF0, TF0, TF15, TF0), (TF2, TF1, TF1, TF15, TF0),
	(TF0, TF0, TF0, TF16, TF0), (TF1, TF0, TF0, TF16, TF0), (TF2, TF1, TF1, TF16, TF0),
	(TF0, TF0, TF0, TF17, TF0), (TF1, TF0, TF0, TF17, TF0), (TF2, TF1, TF1, TF17, TF0),
	(TF0, TF0, TF0, TF18, TF0), (TF1, TF0, TF0, TF18, TF0), (TF2, TF1, TF1, TF18, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF3, TF1), (TF0, TF0, TF0, TF1), (TF1, TF3, TF1),
	(TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1),
	(TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1), (TF0, TF0, TF0, TF11, TF1), (TF1, TF1), (TF2, TF1, TF1, TF11, TF1)
	(TF0, TF0, TF0, TF11, TF1), (TF1, TF0, TF0, TF11, TF1), (TF2, TF1, TF1, TF11, TF1), (TF0, TF0, TF0, TF12, TF1), (TF1, TF0, TF0, TF12, TF1), (TF2, TF1, TF1, TF12, TF1),
	(TF0, TF0, TF13, TF1), (TF1, TF0, TF0, TF13, TF1), (TF2, TF1, TF1, TF13, TF1),
	(TF0, TF0, TF0, TF14, TF1), (TF1, TF0, TF0, TF14, TF1), (TF2, TF1, TF1, TF14, TF1),
	(TF0, TF0, TF15, TF1), (TF1, TF0, TF0, TF15, TF1), (TF2, TF1, TF1, TF15, TF1),
	(TF0, TF0, TF0, TF16, TF1), (TF1, TF0, TF0, TF16, TF1), (TF2, TF1, TF1, TF16, TF1), (TF0, TF0, TF0, TF17, TF1), (TF1, TF1, TF17, TF1
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF17, TF1), (TF2, TF1, TF1, TF17, TF1), (TF0, TF0, TF0, TF18, TF1), (TF1, TF0, TF0, TF18, TF1), (TF2, TF1, TF1, TF18, TF1))
	1(11 0, 11 0, 11 10, 11 10, 11 17, (11 1, 11 0, 11 10, 11 17, (112, 111, 111, 1110, 111))

6.10.2.4.1.44.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		4
	Number of DPDCH		3
	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	1248
		Number of data bits/frame	18720

6.10.2.4.1.45 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 bbps SRBs for DCCH

6.10.2.4.1.45.1 Uplink

6.10.2.4.1.45.1.1 Transport channel parameters

6.10.2.4.1.45.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.45.1.1.2 Transport channel parameters for Streaming / unknown / UL:57.6 kbps / CS RAB See clause 6.10.2.4.1.17.1.1.1.

6.10.2.4.1.45.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.45.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 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)

6.10.2.4.1.45.1.2 Physical channel parameters

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

6.10.2.4.1.45.2 Downlink

6.10.2.4.1.45.2.1 Transport channel parameters

6.10.2.4.1.45.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.45.2.1.2 Transport channel parameters for Streaming / unknown / DL:57.6 kbps / CS RAB See clause 6.10.2.4.1.17.2.1.1.

6.10.2.4.1.45.2.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.11.

6.10.2.4.1.45.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 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, 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)

6.10.2.4.1.45.2.2 Physical channel parameters

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

6.10.2.4.1.46 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

6.10.2.4.1.46.1 Uplink

See clause 6.10.2.4.1.4.1.

6.10.2.4.1.46.2 Downlink

6.10.2.4.1.46.2.1 Transport channel parameters

6.10.2.4.1.46.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.46.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS RAB See clause 6.10.2.4.1.18.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.46.2.1.4 TFCS

TFCS size	30
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, 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)

6.10.2.4.1.46.2.2 Physical channel parameters

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

6.10.2.4.1.47 Void
6.10.2.4.1.48 Void
6.10.2.4.1.49 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
6.10.2.4.1.49.1 Uplink
6.10.2.4.1.49.1.1 Transport channel parameters
6.10.2.4.1.49.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB
See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.49.1.1.2 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.49.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.49.1.1.4 TFCS

TFCS size	12
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, 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)

6.10.2.4.1.49.1.2 Physical channel parameters

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

6.10.2.4.1.49.2 Downlink

6.10.2.4.1.49.2.1 Transport channel parameters

6.10.2.4.1.49.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

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

6.10.2.4.1.49.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.11.

6.10.2.4.1.49.2.1.4 TFCS

TFCS size	12
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, 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)

6.10.2.4.1.49.2.2 Physical channel parameters

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

Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS 6.10.2.4.1.49a RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps

SRBs for DCCH

6.10.2.4.1.49a.1 Uplink

6.10.2.4.1.49a.1.1 Transport channel parameters

6.10.2.4.1.49a.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.

6.10.2.4.1.49a.1.1.2 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.49a.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.

6.10.2.4.1.49a.1.1.4 TFCS

TFCS size	24
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,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)

6.10.2.4.1.49a.1.2 Physical channel parameters

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

6.10.2.4.1.49a.2 Downlink

6.10.2.4.1.49a.2.1 Transport channel parameters

6.10.2.4.1.49a.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.

6.10.2.4.1.49a.2.1.2 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.49a.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

6.10.2.4.1.49a.2.1.4 TFCS

TFCS size	24
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), (TF5,TF4,TF1,TF0,TF0),
	(TF0,TF0,TF0,TF1,TF0), (TF1,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)

6.10.2.4.1.49a.2.2 Physical channel parameters

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

6.10.2.4.1.50 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

6.10.2.4.1.50.1 Uplink

6.10.2.4.1.50.1.1 Transport channel parameters

Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB 6.10.2.4.1.50.1.1.1

See clause 6.10.2.4.1.13.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.50.1.1.3 TFCS

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

Physical channel parameters 6.10.2.4.1.50.1.2

DPCH	Min spreading factor	8
Uplink	Max number of DPDCH data	4800
	bits/radio frame	
	Puncturing Limit	0.92

6.10.2.4.1.50.2 Downlink

6.10.2.4.1.50.2.1 Transport channel parameters

6.10.2.4.1.50.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.50.2.1.3 TFCS

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

6.10.2.4.1.50.2.2 Physical channel parameters

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

6.10.2.4.1.51 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

6.10.2.4.1.51.1 Uplink

6.10.2.4.1.51.1.1 Transport channel parameters

6.10.2.4.1.51.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.51.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.2.4.1.24.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51.1.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

6.10.2.4.1.51.1.2 Physical channel parameters

DPCH	Min spreading factor	8
Uplink	Max number of DPDCH data	4800
	bits/radio frame	
	Puncturing Limit	0.88

6.10.2.4.1.51.2 Downlink

6.10.2.4.1.51.2.1 Transport channel parameters

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

6.10.2.4.1.51.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB See clause 6.10.2.4.1.25.2.1.1.

6.10.2.4.1.51.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.51.2.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

6.10.2.4.1.51.2.2 Physical channel parameters

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

6.10.2.4.1.51a 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, 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

DP	CH	Min spreading factor	16
Upl	link	Max number of DPDCH data bits/radio frame	2400
		Puncturing Limit	0.72

6.10.2.4.1.51a.2 Downlink

6.10.2.4.1.51a.2.1 Transport channel parameters

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

6.10.2.4.1.51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.2.1.1.

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

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

6.10.2.4.1.51b.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/Sign	alling RB	RAB
RLC	Logical channel type		DTCH
	RLC mode	9	AM
	Payload s	izes, bit	320
	Max data	rate, bps	16000
	AMD PDU	header, bit	16
MAC	MAC head	der, bit	0
	MAC mult	iplexing	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	oe oe	TC
	CRC, bit		16
	Max numb	per of bits/TTI after channel coding	2124
	Uplink: Ma	ax number of bits/radio frame before rate matching	531
	RM attribu	ite	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, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF2, TF1), (TF1, TF2, TF1)

6.10.2.4.1.51b.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.64

6.10.2.4.1.51b.2 Downlink

See clause 6.10.2.4.1.51.2.

6.10.2.4.1.52 Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 bps SRBs for DCCH

6.10.2.4.1.52.1 Uplink

See clause 6.10.2.4.1.51.1.

6.10.2.4.1.52.2 Downlink

6.10.2.4.1.52.2.1 Transport channel parameters

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

6.10.2.4.1.52.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB See clause 6.10.2.4.1.27.2.1.1.

6.10.2.4.1.52.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.52.2.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

6.10.2.4.1.52.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		8
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

6.10.2.4.1.53 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

6.10.2.4.1.53.1 Uplink

6.10.2.4.1.53.1.1 Transport channel parameters

6.10.2.4.1.53.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.53.1.1.2 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB See clause 6.10.2.4.1.28.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.53.1.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 128kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

6.10.2.4.1.53.1.2 Physical channel parameters

DPCH	Min spreading factor	4
Uplink	Max number of DPDCH data	9600
	bits/radio frame	
	Puncturing Limit	0.96

6.10.2.4.1.53.2 Downlink

See clause 6.10.2.4.1.52.2.

6.10.2.4.1.54 Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown /

UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.54.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.54.2 Downlink

6.10.2.4.1.54.2.1 Transport channel parameters

6.10.2.4.1.54.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.2.4.1.27.2.1.1.

6.10.2.4.1.54.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS RAB

See clause 6.10.2.4.1.18.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.54.2.1.4 TFCS

TFCS size	50
TFCS	(I/B 128 kbps RAB, Str. 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),
	(TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),
	(TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),
	(TF0, TF1, TF1), (TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)

6.10.2.4.1.54.2.4 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		8
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	608
		Number of data bits/frame	9120

6.10.2.4.1.55 Void

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/Sig	nalling RB	RAB	RAB
RLC	Logical	channel type	DTCH	DTCH
	RLC mo		AM	AM
	Payload	sizes, bit	320	320
	Max data	a rate, bps	8000	8000
	AMD PD	OU header, bit	16	16
MAC	MAC hea	ader, bit	4	4
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH typ	oe .	DCH	
	TB sizes		340	
	TFS	TF0, bits	0x340	
		TF1, bits	1x34	.0
	TTI, ms		40	
	Coding type		TC	
	CRC, bit		16	
	Max nun	nber of bits/TTI after channel coding	1080	
	Uplink: Max number of bits/radio frame		270)
	before ra	ate matching		
	RM attrib	oute	135-1	75

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	(8 kbps RAB + 8 kbps RAB, DCCH)=
	(TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

6.10.2.4.1.56.1.2 Physical channel parameters

DPCH	Min spreading factor	64
Uplink	Max number of DPDCH data bits/radio	600
	frame	
	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	3	40
	TFS TF0, bits	0x:	340
	TF1, bits	1x	340
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI 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	(8 kbps RAB + 8 kbps RAB, DCCH)=
	(TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

6.10.2.4.1.56.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	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 bps 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	34	0
	TFS TF0, bits	0x3	40
	TF1, bits	1x3	40
	TF2, bits	2x3	40
	TF3, bits	3x3	40
	TF4, bits	4x3	40
	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	21	42
	before rate matching		
	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	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio	2400
•	frame	
	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/Sig	nalling RB	RAB	RAB
RLC	Logical	channel type	DTCH	DTCH
	RLC mo	de	AM	AM
	Payload	sizes, bit	320	320
	Max dat	a rate, bps	64000	64000
	AMD PE	OU header, bit	16	16
MAC	MAC he	ader, bit	4	4
	MAC mu	ultiplexing	2 logical channel multiplexing	
Layer 1	TrCH type		DCH	
	TB sizes	s, bit	340	
	TFS	0x340	0x340	
		1x340	1x340	
		2x340	2x3-	40
	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	DTX position		Flexible
Downlink	Spreading	factor	32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

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	534
	before rate matching	
	RM attribute	135-175

6.10.2.4.1.58.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.58.1.1.4 TFCS

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

6.10.2.4.1.58.1.2 Physical channel parameters

DPCH	Min spreading factor	32
Uplink	Max number of DPDCH data bits/radio	2400
	frame	
	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/Sig	gnalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mo	ode	AM
	Payload	sizes, bit	640
	Max dat	a rate, bps	64000
	AM PDU	J header, bit	16
MAC	MAC he	ader, bit	0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
_	TB sizes		656
	TFS	TF0, bits	0x656
		TF1, bits	1x656
		TF2, bits	2x656
		TF3, bits	4x656
	TTI, ms		40
	Coding	type	TC
	CRC, bi	t	16
	Max nur	mber of bits/TTI after channel coding	8076
	RM attri	bute	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	DTX position		Flexible
Downlink	Spreading	factor	32
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH	Number of data bits/slot	140
		Number of data bits/frame	2100

6.10.2.4.2 Combinations on PDSCH and DPCH

6.10.2.4.2.1 Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.2.1.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.2.1.2 Downlink

6.10.2.4.2.1.2.1 Transport channel parameters

6.10.2.4.2.1.2.1.1 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	18
	MAC multiplexing	Logical channel multiplexing on a frame by frame basis
Layer 1	TrCH type	DSCH
	TB sizes, bit	354
	TFS TF0, bits	0x354
	TF1, bits	1x354
	TF2, bits	2x354
	TF3, bits	4 x354
	TF4, bits	8 x354
	TF5, bits	N/A (alt. 12x354)
	TF6, bits	N/A (alt. 16x354)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8892(alt. 17784)
	RM attribute	135-175

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.1.2.1.3 TFCS

PDSCH	TFCS	5 (alt.7)
	size	
	TFCS	256 kbps RAB =TF0, TF1, TF2, TF3, TF4 (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6)
DPCH	TFCS	2
Downlink	size	
associated	TFCS	SRBs for DCCH = TF0, TF1
with		
PDSCH		

6.10.2.4.2.1.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 256 kbps / PS RAB, DSCH
	DTX position		N/A (SingleTrCH)
	Minimum sp	reading factor	8
DPCH	RAB or SRB, TrCh		3.4 kbps SRB for DCCH, DCH
Downlink	DTX position		N/A (SingleTrCH)
associated	Spreading factor		256
with	DPCCH	Number of TFCI bits/slot	2
PDSCH		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	12
		Number of data bits/frame	180

6.10.2.4.2.2 Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.2.2.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.2.2.2 Downlink

6.10.2.4.2.2.2.1 Transport channel parameters

6.10.2.4.2.2.2.1.1 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	18
	MAC multiplexing	Logical channel multiplexing on a frame by frame basis
Layer 1	TrCH type	DSCH
	TB sizes, bit	354
	TFS TF0, bits	0x354
	TF1, bits	1x354
	TF2, bits	2x354
	TF3, bits	4 x354
	TF4, bits	8 x354
	TF5, bits	12 x354
	TF6, bits	N/A (alt. 16x354)
	TF7, bits	N/A (alt. 20x354)
	TF8, bits	N/A (alt. 24x354)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	13332(alt. 26664)
	RM attribute	110-150

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.2.2.1.3 TFCS

PDSCH	TFCS	6 (alt.9)
	size	
	TFCS	384 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8)
DPCH	TFCS	2
Downlink	size	
associated	TFCS	SRBs for DCCH = TF0, TF1
with		
PDSCH		

6.10.2.4.2.2.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 384 kbps / PS RAB, DSCH
	DTX position	n	N/A (SingleTrCH)
	Minimum sp	preading factor	8
DPCH	RAB or SRI	B, TrCh	3.4 kbps SRB for DCCH, DCH
Downlink	DTX position		N/A (SingleTrCH)
associated	Spreading factor		256
with	DPCCH	Number of TFCI bits/slot	2
PDSCH		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	12
		Number of data bits/frame	180

6.10.2.4.2.3 Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.2.3.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.2.3.2 Downlink

6.10.2.4.2.3.2.1 Transport channel parameters

6.10.2.4.2.3.2.1.1 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB

Higher layer	RAB/Signalling RB		RAB
RLC	Logical ch	nannel type	DTCH
	RLC mod	е	AM
	Payload s	sizes, bit	640
	Max data	rate, bps	2048000
	AMD PDU	J header, bit	16
MAC	MAC hea	der, bit	18
	MAC mult	tiplexing	Logical channel multiplexing on a frame by frame basis
Layer 1	TrCH type		DSCH
	TB sizes,	bit	674
	TFS	TF0, bits	0x674
		TF1, bits	1x674
		TF2, bits	2x674
		TF3, bits	4 x674
		TF4, bits	8 x674
		TF5, bits	12x674
		TF6, bits	16x674
		TF7, bits	20x674
		TF8, bits	24x674

Higher layer	RAB/Signalling RB	RAB	
	TF9, bits	28x674	
	TF10, bits	32x674	
	TF11, bits	N/A (alt. 36x674)	
	TF12, bits	N/A (alt. 40x674)	
	TF13, bits	N/A (alt. 44x674)	
	TF14, bits	N/A (alt. 48x674)	
	TF15, bits	N/A (alt. 52x674)	
	TF16, bits	N/A (alt. 56x674)	
	TF17, bits	N/A (alt. 60x674)	
	TF18, bits	N/A (alt. 64x674)	
	TTI, ms	10(alt. 20)	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	66300 (alt. 132588)	
	RM attribute	130-170	

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.2.3.2.1.3 TFCS

PDSCH	TFCS size	11 (alt.19)
	TFCS	2048 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10 (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10, TF11, TF12, TF13, TF14, TF15, TF16, TF17, TF18)
DPCH Downlink	TFCS size	2
associated with PDSCH	TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.2.3.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 2048 kbps / PS RAB, DSCH
	DTX position		N/A (SingleTrCH)
	Minimum s	preading factor	4
DPCH	RAB or SR	B, TrCh	3.4 kbps SRB for DCCH, DCH
Downlink	DTX position		N/A (SingleTrCH)
associated	Spreading factor		256
with	DPCCH	Number of TFCI bits/slot	2
PDSCH		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	12
		Number of data bits/frame	180

6.10.2.4.2.4 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

6.10.2.4.2.4.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.2.4.2 Downlink

6.10.2.4.2.4.2.1 Transport channel parameters

6.10.2.4.2.4.2.1.1 Transport channel parameters for Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

See clause 6.10.2.4.1.4.2.1.1

6.10.2.4.2.4.2.1.2 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

See clause 6.10.2.4.2.1.2.1.1

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.4.2.1.4 TFCS

PDSCH	TFCS	5 (alt.7)
	size	
	TFCS	256 kbps RAB = TF0, TF1, TF2, TF3, TF4
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6)
DPCH	TFCS	6
Downlink	size	
associated	TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) =
with		(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),
PDSCH		(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.2.4.2.4 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 256 kbps / PS RAB, DSCH	
	DTX position	on	N/A (SingleTrCH)	
	Minimum spreading factor		4	
DPCH Downlink associated with PDSCH	RAB or SRB, TrCh		Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH	
	DTX position		Fixed	
	Spreading factor		128	
	DPCCH	Number of TFCI bits/slot	2	
		Number of TPC bits/slot	2	
		Number of Pilot bits/slot	4	
	_	Number of data bits/slot	32	
		Number of data bits/frame	480	

6.10.2.4.2.5 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

6.10.2.4.2.5.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.2.5.2 Downlink

6.10.2.4.2.5.2.1 Transport channel parameters

6.10.2.4.2.5.2.1.1 Transport channel parameters for Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.2.5.2.1.2 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB See clause 6.10.2.4.2.2.2.1.1.

6.10.2.4.2.5.2.1.3 Transport channel parameters for DL:3.4 DL: 3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.5.2.1.4 TFCS

PDSCH	TFCS	6 (alt.9)
	size	
	TFCS	384 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8)
DPCH	TFCS	6
Downlink	size	
associated	TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) =
with		(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),
PDSCH		(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.2.5.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 384 kbps / PS RAB, DSCH	
	DTX posit	ion	N/A (SingleTrCH)	
	Minimum spreading factor		8	
DPCH Downlink associated	nk		Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH	
with PDSCH	DTX position		Fixed	
	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	

6.10.2.4.2.6 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

6.10.2.4.2.6.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.2.6.2 Downlink

6.10.2.4.2.6.2.1 Transport channel parameters

6.10.2.4.2.6.2.1.1 Transport channel parameters for Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.2.6.2.1.2 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB See clause 6.10.2.4.2.3.2.1.1.

6.10.2.4.2.6.2.1.3 Transport channel parameters for DL:3.4 DL: 3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.6.2.1.4 TFCS

PDSCH	TFCS	11 (alt.19)				
	size					
	TFCS	2048 kbps RAB =TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10				
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10, TF11, TF12, TF13, TF14, TF15,				
		TF16, TF17, TF18)				
DPCH	TFCS	6				
Downlink	size					
associated	TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) =				
with		(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),				
PDSCH		(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)				

6.10.2.4.2.6.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 2048 kbps / PS RAB, DSCH	
	DTX positi	on	N/A (SingleTrCH)	
	Minimum s	spreading factor	4	
DPCH Downlink associated	RAB or SRB, TrCh		Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH	
with PDSCH	DTX position		Fixed	
	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	

6.10.2.4.3 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 ½
	CRC, bit	16
	Max number of bits/TTI before rate matching	528 (alt. 208)
	RM attribute	210-250

6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

6.10.2.4.3.1.2 Physical channel parameters

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

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

6.10.2.4.3.2.1 Transport channel parameters

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

Higher	RAB/signalling RB	RAB
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
IVIAC	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	RAB/signal	lling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
layer	User of Ra	dio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
RLC	Logical cha	annel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH
	RLC mode		UM	UM	AM	AM	AM	TM
	Payload siz	zes, bit	152	136 or 120 (note)	128	128	128	166
	Max data ra	ate, 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/ bit	/TrD PDU header,	8	8	16	16	16	0
MAC	MAC header, bit		8	24 or 40	24	24	24	2
IVIAC	MAC multiplexing		6 logical channel multiplexing					
Layer 1	TrCH type		FACH					
	TB sizes, b	it	168					
		TF0, bits	0x168					
	TFS	TF1, bits			1x1	68		
	11.5	TF2, bits			2x1	68		
		TF3, bits	N/A (alt. 3x168)					
	TTI, ms	TTI, ms		10				
	Coding type		CC ½					
	CRC, bit		16					
	Max numberrate matchi	er of bits/TTI before ing	752 (alt. 1136)					
	RM attribute				200-	240		
NOTE:	MAC header	r size and PLC pavlo	ad size depend on use of U-RNTI or C-RNTI.					

6.10.2.4.3.2.1.3 TFCS

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

6.10.2.4.3.2.2 Physical channel parameters

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

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

6.10.2.4.3.2a.1 Transport channel parameters

6.10.2.4.3.2a.1.1 Transport channel parameters for Interactive or background / 32 kbps / PS RAB + 32 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	32000	32000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	24	24	
	MAC multiplexing	2 logical chann	el multiplexing	
Layer 1	TrCH type	FAC	FACH	
	TB sizes, bit	36	0	
	TFS TF0, bits	0x3	60	
	TF1, bits	1x3	60	
	TTI, ms	10		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	114	40	
	RM attribute	110-	150	

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

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.2a.1.3 TFCS

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

6.10.2.4.3.2a.2 Physical channel parameters

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

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

6.10.2.4.3.3.1 Transport channel parameters

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

See clause 6.10.2.4.3.2.1

6.10.2.4.3.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.2.4.3.1.1

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

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.3.1.4 TFCS

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

6.10.2.4.3.3.2 Physical channel parameters

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

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

6.10.2.4.3.4.1 Transport channel parameters

6.10.2.4.3.4.1.1 Transport channel parameters of RB for CTCH

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

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

Higher	RAB/signalli	ng RB	SRB#0	SRB#5		
layer	User of Radio Bearer		RRC	RRC		
RLC	Logical channel type		CCCH	BCCH		
	RLC mode		UM	TM		
	Payload size	es, bit	152	166		
	Max data ra	te, bps	15200	16600		
	AMD/UMD/	ΓrD PDU header,	8	0		
	bit					
MAC	MAC header, bit		8	2		
IVIAC	MAC multiplexing		2 logical channel multiplexing			
Layer 1	TrCH type		FACH			
	TB sizes, bit	t	168			
	TFS	TF0, bits	0x168			
	1173	TF1, bits	1x168			
	TTI, ms		10			
	Coding type		CC	C 1/3		
	CRC, bit		16			
Max number of bits/TTI		r of bits/TTI	576			
	before rate i	matching				
	RM attribute)	200)-240		

6.10.2.4.3.4.1.3 TFCS

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

6.10.2.4.3.4.2 Physical channel parameters

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

6.10.2.4.4 Combinations on PRACH

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

6.10.2.4.4.1.1 Transport channel parameters

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

Higher	RAB/signalling RB	RAB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	
layer	User of Radio Bearer	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	
RLC	Logical channel type	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH	
	RLC mode	AM	TM	UM	AM	AM	AM	
	Payload sizes, bit	320	166	136	128	128	128	
	Max data rate, bps	32000	16600	13600	12800	12800	12800	
	AMD/UMD/TrD PDU header, bit	16	0	8	16	16	16	
MAC	MAC header, bit	24	2	24	24	24	24	
	MAC multiplexing	6 logical channel multiplexing						
Layer 1	TrCH type	RACH						
	TB sizes, bit	360	168	168	168	168	168	
	TFS TF0, bits		1x168					
	TF1, bits			1x3	60			
	TTI, ms	20 (alt. 10)						
	Coding type	CC ½						
	CRC, bit	16						
	Max number of bits/TTI after channel coding	768	384	384	384	384	384	
	Max number of bits/ Radio frame before rate matching	384 (alt. 768)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	

6.10.2.4.4.1.1.2 TFCS

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

6.10.2.4.4.1.2 Physical channel parameters

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

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

6.10.2.4.4.2.1 Transport channel parameters

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

Higher	RAB/signalling RB	RAB	RAB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4
layer	User of Radio Bearer	Interactive/ Background RAB	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
RLC	Logical channel type	DTCH	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH
	RLC mode	AM	AM	TM	UM	AM	AM	AM
	Payload sizes, bit	320	320	166	136	128	128	128
	Max data rate, bps	32000	32000	16600	13600	12800	12800	12800
	AMD/UMD/TrD PDU header, bit	16	16	0	8	16	16	16
MAC	MAC header, bit	24	24	2	24	24	24	24
	MAC multiplexing	7 logical channel multiplexing						
Layer	TrCH type	RACH						
1	TB sizes, bit	360	360	168	168	168	168	168
	TFS TF0, bits TF1, bits				1x168 1x360			
	TTI, ms				20 (alt. 10)			
	Coding type				CC ½			
	CRC, bit				16			
	Max number of bits/TTI after channel coding	768	768	384	384	384	384	384
	Max number of bits/ Radio frame before rate matching	384 (alt. 768)	384 (alt 768)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)

6.10.2.4.4.2.1.2 TFCS

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

6.10.2.4.4.2.2 Physical channel parameters

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

6.10.3 RAB and signalling RB for TDD

6.10.3.1 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 6.10.3.1.1: Prioritised RABs.

#	Traffic class ^[3]	SSD ^[3]	Max. rate, kbps	CS/PS
1	Conversational	Speech	UL:12.2 DL:12.2	CS
2	Conversational	Speech	UL:10.2 DL:10.2	CS
3	Conversational	Speech	UL:7.95 DL:7.95	CS
4	Conversational	Speech	UL:7.4 DL:7.4	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
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
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 6.10.3.1.2: 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
9	UL:16.8	SHCCH	PRACH
10	UL:16.8	SHCCH	PRACH or PUSCH
11	DL:16	SHCCH	SCCPCH
12	DL:16	SHCCH	SCCPCH or PDSCH

6.10.3.2 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.
- 5) Conversational / speech / UL:10.2 DL:10.2 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.
- 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.
- 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.
- 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.
- 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.

Combinations on PDSCH, SCCPCH, PUSCH and PRACH

- 1) Interactive or background / UL:64 DL:256 kbps / PS RAB
 - + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH
 - + UL:16.8 DL: 16 kbps SRBs for SHCCH.
- 2) Interactive or background / UL:64 DL:384 kbps / PS RAB
 - + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH
 - + UL: 16.8 DL: 16 kbps SRBs for SHCCH.

- 3) Interactive or background / UL:64 DL:2048 kbps / PS RAB
 - + UL:3.4 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH
 - + UL: 16.8 DL: 16 kbps SRBs for SHCCH.

Combinations on PDSCH, SCCPCH, DPCH, PUSCH and PRACH

- 1) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH
 - + Interactive or background / UL:64 DL:256 kbps / PS RAB
 - + UL:16.8 kbps SRBs for CCCH and SHCCH
 - + DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH.
- 2) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH
 - + Interactive or background / UL:64 DL:384 kbps / PS RAB
 - + UL:16.8 kbps SRBs for CCCH and SHCCH
 - + DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH.
- 3) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH
 - + Interactive or background / UL:64 DL:2048 kbps / PS RAB
 - + UL:16.8 kbps SRBs for CCCH and SHCCH
 - + DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH.

Combinations on SCCPCH

- 1) Stand-alone 24 kbps SRB for PCCH.
- 2) Interactive or background / DL:32 kbps / PS RAB
 - + SRB for CCCH
 - + SRBs for DCCH
 - + SRB for BCCH.
- 3) Interactive or background / DL:32 kbps / PS RAB
 - + SRB for PCCH
 - + SRB for CCCH
 - + SRBs for DCCH
 - + SRB for BCCH.

Combinations on PRACH

- 1) Interactive or background / UL:32 kbps / PS RAB
 - + SRB for CCCH
 - + SRBs for DCCH.

6.10.3.3 Example of linkage between RABs and services

RABs, which are included in the present document, can provide the services as shown in table 6.10.1.1: Traffic classes. Furthermore, the required BER for each RAB, which is assumed in the present document, is shown in table 6.10.3.3.1.

Table 6.10.3.3.1: Example of linkage between RABs and services

RAB				Residual	Convince
Traffic class ^[3]	SSD ^[3]	Max. rate, kbps	CS/PS	BER ^[3]	Services
Conversational	Speech	UL:4.75-12.2 DL:4.75-12.2	CS	5x10 ⁻⁴ , 1x10 ⁻³ , 5x10 ⁻³	AMR speech
Conversational	Unknown	UL:64 DL:64	cs	1x10 ⁻⁴ or 1x10 ⁻⁶	UDI 1B, 64k 3G-324M ^[4]
Conversational	Unknown	UL:32 DL:32	cs	1x10 ⁻⁴ or 1x10 ⁻⁶	32k 3G-324M ^[4]
Conversational	Unknown	UL:28.8 DL:28.8	CS	1x10 ⁻³	Transparent modem
Streaming	Unknown	UL:14.4 DL:14.4	CS	1x10 ⁻³	FAX ^[6]
Streaming	Unknown	UL:28.8 DL:28.8	cs	1x10 ⁻³	FAX ^{l6J} PIAFS 32 kbps
Streaming	Unknown	UL:57.6 DL:57.6	CS	1x10 ⁻³	Modem ^[6] , FTM ^[5] , PIAFS 64 kbps
Streaming	Unknown	UL:64-128 or DL:64-384	cs	1x10 ⁻³ or 1x10 ⁻⁴	Streaming video, uni-directional
Interactive or Background	N/A	UL:32-384 DL:8-2048	PS	1x10 ⁻³ or 1x10 ⁻⁴	Packet

NOTE 1: SMS can be provided via the signalling RB (DCCH) on DPCH or SCCPCH.

NOTE 2: CBS can be provided via the signalling RB (CTCH) on SCCPCH

NOTE 3: UDI *n*B can be provided via *n* RABs of conversational 64 kbps.

6.10.3.4 Typical radio parameter sets

6.10.3.4.1 Combinations on DPCH

6.10.3.4.1.1 Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.3.4.1.1.1 Uplink

6.10.3.4.1.1.1 Transport channel parameters

6.10.3.4.1.1.1.1 Transport channel parameters for UL:1.7 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio Bearer		RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		1700	1600	1600	1600	
	AMD/UMD PDU he	ader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing	MAC multiplexing		4 logical channel multiplexing			
Layer 1	TrCH type	TrCH type		DCH			
	TB sizes, bit		148				
	TFS	TF0, bits	0x148				
		TF1, bits	1x148				
	TTI, ms		80				
	Coding type		CC 1/3				
	CRC, bit Max number of bits/TTI before rate		16				
			516				
	matching						
	Max number of bits	/radio frame before		6	5		
	rate matching						

6.10.3.4.1.1.1.2 TFCS

TFC	S size	2
TFC		SRBs for DCCH = TF0, TF1

6.10.3.4.1.1.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	238
	TFCI code word	4 bit
	TPC	2 bit
	Puncturing Limit	1

6.10.3.4.1.1.2 Downlink

6.10.3.4.1.1.2.1 Transport channel parameters

6.10.3.4.1.1.2.1.1 Transport channel parameters for DL:1.7 kbps SRBs for DCCH

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4		
	User of Radio Bear	User of Radio Bearer		RRC	NAS_DT	NAS_DT		
					High prio	Low prio		
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH		
	RLC mode		UM	AM	AM	AM		
	Payload sizes, bit		136	128	128	128		
	Max data rate, bps		1700	1600	1600	1600		
	AMD/UMD PDU he	eader, bit	8	16	16	16		
MAC	MAC header, bit	MAC header, bit		4	4	4		
	MAC multiplexing	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	TrCH type		DCH				
	TB sizes, bit	TB sizes, bit		148				
	TFS	TF0, bits	0 x148					
		TF1, bits	1x148					
	TTI, ms		80					
	Coding type	Coding type		CC 1/3				
	CRC, bit			16				
	Max number of bits matching	Max number of bits/TTI before rate matching		5′	16			
	Max number of bits rate matching	Max number of bits/radio frame before		6	5			

6.10.3.4.1.1.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.1.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	240 bits
	TFCI code word	4 bits
	Puncturing limit	1

6.10.3.4.1.2 Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.2.1 Uplink

6.10.3.4.1.2.1.1 Transport channel parameters

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

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4		
	User of Radio Bearer		RRC	RRC	NAS_DT	NAS_DT		
					High prio	Low prio		
RLC	Logical channel type		DCCH	DCCH	DCCH	DCCH		
	RLC mode		UM	AM	AM	AM		
	Payload sizes, bit		136	128	128	128		
	Max data rate, bps		3400	3200	3200	3200		
	AMD/UMD PDU heade	r, bit	8	16	16	16		
MAC	MAC header, bit		4	4	4	4		
	MAC multiplexing			4 logical channel multiplexing				
Layer 1	TrCH type		DCH					
	TB sizes, bit		148					
	TFS T	F0, bits	0x148					
	T	F1, bits	1x148					
	TTI, ms		40					
	Coding type		CC 1/3					
	CRC, bit Max number of bits/TTI before rate matching Max number of bits/radio frame before		16					
			516					
			129					
	rate matching							
	RM attribute			155-	165			

6.10.3.4.1.2.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.2.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	238 bits
	TFCI code word	4 bits
	TPC	2 bit
	Puncturing Limit	1

6.10.3.4.1.2.2 Downlink

6.10.3.4.1.2.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4		
	User of Radio Bear	User of Radio Bearer		RRC	NAS_DT	NAS_DT		
					High prio	Low prio		
RLC	Logical channel type	е	DCCH	DCCH	DCCH	DCCH		
	RLC mode		UM	AM	AM	AM		
	Payload sizes, bit		136	128	128	128		
	Max data rate, bps		3400	3200	3200	3200		
	AMD/UMD PDU hea	ader, bit	8	16	16	16		
MAC	MAC header, bit	MAC header, bit		4	4	4		
	MAC multiplexing	·		4 logical channel multiplexing				
Layer 1	TrCH type		DCH					
	TB sizes, bit		148					
	TFS	TF0, bits	0x148					
		TF1, bits	1x148					
	TTI, ms		40					
	Coding type		CC 1/3					
	CRC, bit			16				
	Max number of bits/TTI before rate		516					
	matching	matching						
	Max number of bits/radio frame b		129					
	rate matching							
	RM attribute			155-	165			

6.10.3.4.1.2.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.2.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	240
	TFCI code word	4 bits
	Puncturing limit	1

6.10.3.4.1.3 Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH

6.10.3.4.1.3.1 Uplink

6.10.3.4.1.3.1.1 Transport channel parameters

6.10.3.4.1.3.1.1.1 Transport channel parameters for UL:13.6 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4
	User of Radio Bear	rer	RRC	RRC	NAS_DT	NAS_DT
					High prio	Low prio
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH
	RLC mode		UM	AM	AM	AM
	Payload sizes, bit		136	128	128	128
	Max data rate, bps		13600	12800	12800	12800
	AMD/UMD PDU he	eader, bit	8	16	16	16
MAC	MAC header, bit		4	4	4	4
	MAC multiplexing			4 logical channel multiplexing		
Layer 1	TrCH type		DCH			
	TB sizes, bit			148		
	TFS	TF0, bits		0x	148	
		TF1, bits	1x148			
	TTI, ms			1	0	
	Coding type		CC 1/3			
	CRC, bit		16			
	Max number of bits/TTI before rate		516			
	matching					
	Max number of bits/radio frame before rate matching			5	16	

6.10.3.4.1.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.3.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 cips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	476 bits
	TFCI code word	4 bits
	TPC	2 bits
	Puncturing Limit	0.92

6.10.3.4.1.3.2 Downlink

6.10.3.4.1.3.2.1 Transport channel parameters

6.10.3.4.1.3.2.1.1 Transport channel parameters for DL:13.6 kbps SRBs for DCCH

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4
	User of Radio Bear	er	RRC	RRC	NAS_DT	NAS_DT
					High prio	Low prio
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH
	RLC mode		UM	AM	AM	AM
	Payload sizes, bit		136	128	128	128
	Max data rate, bps		13600	12800	12800	12800
	AMD/UMD PDU he	eader, bit	8	16	16	16
MAC	MAC header, bit		4	4	4	4
	MAC multiplexing			4 logical channel multiplexing		
Layer 1	TrCH type			D	CH	
	TB sizes, bit			148		
	TFS	TF0, bits		0x148		
		TF1, bits	1x148			
	TTI, ms			1	0	
	Coding type			CC	1/3	
	CRC, bit			1	6	
	Max number of bits/TTI before rate			5	16	
matching						
	Max number of bits/radio frame before			5	16	
	rate matching					

6.10.3.4.1.3.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.3.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	484 bits
	TFCI code word	4 bits
	Puncturing limit	0.92

6.10.3.4.1.4 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

Uplink 6.10.3.4.1.4.1

6.10.3.4.1.4.1.1 Transport channel parameters

Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB 6.10.3.4.1.4.1.1.1

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, t	oit	39, 81 (alt. 0, 39, 81)	103	60	
	Max data rate, b	ops	, , ,	12200		
	TrD PDU heade	er, bit		0		
MAC	MAC header, bi	t		0		
	MAC multiplexing	ng		N/A		
Layer 1	TrCH type		DCH	DCH	DCH	
	TB sizes, bit		39, 81 (alt. 0, 39, 81)	103	60	
	TFS TF0), bits	0x81(alt. 1x0) (note)	0x103	0x60	
	TF ²	1, bits	1x39	1x103	1x60	
	TF2	2, bits	1x81	N/A	N/A	
	TTI, ms	TTI, ms		20	20	
	Coding type	Coding type		CC 1/3	CC ½	
	CRC, bit			N/A	N/A	
	Max number of bits/TTI after channel coding		303	333	136	
	Max number of	Max number of bits/radio frame before rate matching		167	68	
	RM attribute		180-220	170-210	215-256	

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).

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

See clause 6.10.3.4.1.2.1.1.

6.10.3.4.1.4.1.1.3 **TFCS**

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

6.10.3.4.1.4.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	452 bits
	TFCI code word	16 bits
	TPC	2 bit
	Puncturing Limit	0.84

6.10.3.4.1.4.2 Downlink

6.10.3.4.1.4.2.1 Transport channel parameters

6.10.3.4.1.4.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 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, 81	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	0 39 81	103	60
	TFS TF0, bits	1x0 (note 2)	0x103	0x60
	(note 1) TF1, bits	1x39	1x103	1x60
	TF2, bits	1x81	N/A	N/A
	TTI, ms	20	20	20
	Coding type	CC 1/3	CC 1/3	CC ½
	CRC, bit	12	N/A	N/A
	Max number of bits/TTI after channel coding	303	333	136
	Max number of bits/radio frame before rate matching	152	167	68
	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). CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if NOTE 2: there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.4.2.1.3 **TFCS**

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

6.10.3.4.1.4.2.2 Physical channel parameters

DPCH Downlink	Midamble 512 chips	
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0.88

6.10.3.4.1.5 Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.5.1 Uplink

6.10.3.4.1.5.1.1 Transport channel parameters

6.10.3.4.1.5.1.1.1 Transport channel parameters for Conversational / speech / UL:10.2 kbps / CS RAB

Higher Layer	RAB/Sigi	nalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type			DTCH	
	RLC mode		TM	TM	TM
	Payload sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
	Max data	rate, bps		10200	
	TrD PDU	header, bit		0	
MAC	MAC hea	ader, bit		0	
	MAC multiplexing		N/A		
_ayer 1	TrCH typ	е	DCH	DCH	DCH
·	TB sizes	, bit	39, 65 (alt. 0, 39, 65)	99	40
	TFS	TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
		TF1, bits	1x39	1x99	1x40
		TF2, bits	1x65	N/A	N/A
	TTI, ms		20	20	20
	Coding type		CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max num	ber of bits/TTI after coding	255	321	96
		ber of bits/radio frame te matching	128	161	48
	RM attrib		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).

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.5.1.1.3 TFCS

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

6.10.3.4.1.5.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame 226 bits	
	TFCI code word	16 bits
	TPC	2 bit
	Puncturing Limit	0.48

6.10.3.4.1.5.2 Downlink

6.10.3.4.1.5.2.1 Transport channel parameters

6.10.3.4.1.5.2.1.1 Transport channel parameters for Conversational / speech / DL:10.2 kbps / CS RAB

Higher Layer	RAB/Signal	ling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type			DTCH	
	RLC mode	•	TM	TM	TM
	Payload size	es, bit	0, 39, 65	99	40
	Max data ra	te, bps		10200	
	TrD PDU he	eader, bit		0	
MAC	MAC heade	r, bit		0	
	MAC multip	lexing		N/A	
Layer 1	TrCH type		DCH	DCH	DCH
j	TB sizes, bit		0 39 65	99	40
	TFS	TF0, bits	1x0 (note 2)	0x99	0x40
	(note 1)	TF1, bits	1x39	1x99	1x40
		TF2, bits	1x65	N/A	N/A
	TTI, ms		20	20	20
	Coding type		CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max number of bits/TTI after channel coding		255	321	96
		r of bits/radio frame	128	161	48
	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). CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if NOTE 2: there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.5.2.1.3 **TFCS**

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

6.10.3.4.1.5.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.6 Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.6.1 Uplink

6.10.3.4.1.6.1.1 Transport channel parameters

6.10.3.4.1.6.1.1.1 Transport channel parameters for Conversational / speech / UL:7.95 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTO	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 75 (alt. 0, 39, 75)	84	
	Max data rate, bps	795	7950	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/.	A	
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 75 (alt. 0, 39, 75)	84	
	TFS TF0, bits	0x75 (alt. 1x0) (note)	0x84	
	TF1, bits	1x39	1x84	
	TF2, bits	1x75	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	285	276	
	Max number of bits/radio frame before rate	143	138	
	matching			
	RM attribute	180-220	170-210	
NOTE:	In case of using this alternative, CRC parity bits are		•	
I	of TrBlks are 1 even if there is no data on RAB subf	low#1 (see clauses 4.2.1.1 in	TS 25.212).	

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.6.1.1.3 TFCS

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

6.10.3.4.1.6.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.6.2 Downlink

6.10.3.4.1.6.2.1 Transport channel parameters

6.10.3.4.1.6.2.1.1 Transport channel parameters for Conversational / speech / DL:7.95 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DT	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	0, 39, 75	84	
	Max data rate, bps	79	50	
	TrD PDU header, bit	()	
MAC	MAC header, bit	()	
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0, 39, 75	84	
	TFS TF0, bits	1x0 (note 2)	0x84	
	(note 1) TF1, bits	1x39	1x84	
	TF2, bits	1x75	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	285	276	
	Max number of bits/radio frame before rate	143	138	
	matching RM attribute	180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.6.2.1.3 TFCS

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

6.10.3.4.1.6.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.7 Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.7.1 Uplink

6.10.3.4.1.7.1.1 Transport channel parameters

6.10.3.4.1.7.1.1.1 Transport channel parameters for Conversational / speech / UL:7.4 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC Logical channel type		DT	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 61 (alt. 0, 39, 61)	87	
	Max data rate, bps	74	7400	
	TrD PDU header, bit)	
MAC	MAC header, bit)	
	MAC multiplexing	N	N/A	
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 61 (alt. 0, 39, 61)	87	
	TFS TF0, bits	0x61 (alt. 1x0) (note)	0x87	
	TF1, bits	1x39	1x87	
	TF2, 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 coo	ding 243	285	
	Max number of bits/radio frame before ra	ite 122	143	
	matching			
	RM attribute	180-220	170-210	
	CRC parity bits are to be attached to RAB s no data on RAB subflow#1 (see clause 4.2.		rBlks are 1 even if there is	

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.7.1.1.3 TFCS

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

6.10.3.4.1.7.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.7.2 Downlink

6.10.3.4.1.7.2.1 Transport channel parameters

6.10.3.4.1.7.2.1.1 Transport channel parameters for Conversational / speech / DL:7.4 kbps / CS RAB

Higher Layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical ch	annel type	DT	CH
	RLC mode		TM	TM
	Payload s	izes, bit	0, 39, 61	87
	Max data	rate, bps	74	00
	TrD PDU I	header, bit	()
MAC	MAC header, bit		()
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, bit		0, 39, 61	87
	TFS	TF0, bits	1x0 (note 2)	0x87
	(note 1)	TF1, bits	1x39	1x87
		TF2, 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
	Max number of bits/radio frame before rate matching		122	143
	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).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.7.2.1.3 TFCS

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

6.10.3.4.1.7.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,56

6.10.3.4.1.8 Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.8.1 Uplink

6.10.3.4.1.8.1.1 Transport channel parameters

6.10.3.4.1.8.1.1.1 Transport channel parameters for Conversational / speech / UL:6.7 kbps / CS RAB

Higher	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
Layer RLC	Logical channel type	DTC	DTCH	
KLC	RLC mode	TM	TM	
	Payload sizes, bit	39, 58 (alt. 0, 39, 58)	76	
	Max data rate, bps	670	6700	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
_ayer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 58 (alt. 0, 39, 58)	76	
	TFS TF0, bits	0x58 (alt. 1x0) (note)	0x76	
	TF1, bits	1x39	1x76	
	TF2, bits	1x58	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	234	252	
	Max number of bits/radio frame before rate	117	126	
	matching			
	RM attribute	180-220	170-210	
NOTE:	In case of using this alternative, CRC parity bits are	to be attached to RAB subflow	v#1 any time since numb	
	of TrBlks are 1 even if there is no data on RAB subf	low#1 (see clause 4.2.1.1 in T	S 25.212).	

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.8.1.1.3 TFCS

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

6.10.3.4.1.8.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.60

6.10.3.4.1.8.2 Downlink

6.10.3.4.1.8.2.1 Transport channel parameters

6.10.3.4.1.8.2.1.1 Transport channel parameters for Conversational / speech / DL:6.7 kbps / CS RAB

Higher Layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type		DT	DTCH	
	RLC mode		TM	TM	
	Payload si	zes, bit	0, 39, 58	76	
	Max data ı	rate, bps	6700		
	TrD PDU ł	neader, bit)	
MAC	MAC head	ler, bit	()	
	MAC multiplexing		N/A		
Layer 1	TrCH type		DCH	DCH	
	TB sizes, bit		0	76	
			39		
			58		
	TFS	TF0, bits	1x0 (note 2)	0x76	
	(note 1)	TF1, bits	1x39	1x76	
		TF2, bits	1x58	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		234	252	
	Max number of bits/radio frame before rate matching		117	126	
	RM attribute		180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.8.2.1.3 TFCS

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

6.10.3.4.1.8.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,6

6.10.3.4.1.9 Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.9.1 Uplink

6.10.3.4.1.9.1.1 Transport channel parameters

6.10.3.4.1.9.1.1.1 Transport channel parameters for Conversational / speech / UL:5.9 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 55 (alt. 0, 39, 55)	63
	Max data rate, bps	590	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	39, 55 (alt. 0, 39, 55)	63
	TFS TF0, bits	0x55 (alt. 1x0) (note)	0x63
	TF1, bits	1x39	1x63
	TF2, bits	1x55	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	225	213
	Max number of bits/radio frame before rate matching	113	107
	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).

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.9.1.1.3 TFCS

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

6.10.3.4.1.9.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.64

6.10.3.4.1.9.2 Downlink

6.10.3.4.1.9.2.1 Transport channel parameters

6.10.3.4.1.9.2.1.1 Transport channel parameters for Conversational / speech / DL:5.9 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	0, 39, 55	63
	Max data rate, bps	590	00
	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, 55	63
	TFS TF0, bits	1x0 (note 2)	0x63
	(note 1) TF1, bits	1x39	1x63
	TF2, bits	1x55	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	225	213
	Max number of bits/radio frame before rate matching	113	107
	RM attribute	180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.9.2.1.3 TFCS

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

6.10.3.4.1.9.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,64

6.10.3.4.1.10 Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.3.4.1.10.1 Uplink

6.10.3.4.1.10.1.1 Transport channel parameters

Transport channel parameters for Conversational / speech / UL:5.15 kbps / CS RAB 6.10.3.4.1.10.1.1

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 49 (alt. 0, 39, 49)	54
	Max data rate, bps	515	50
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	39, 49 (alt. 0, 39, 49)	54
	TFS TF0, bits	0x49 (alt. 1x0) (note)	0x54
	TF1, bits	1x39	1x54
	TF2, bits	1x49	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	207	186
	Max number of bits/radio frame before rate	104	93
	matching		
	RM attribute	180-220	170-210

of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.10.1.1.3 **TFCS**

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

6.10.3.4.1.10.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.68

6.10.3.4.1.10.2 Downlink

6.10.3.4.1.10.2.1 Transport channel parameters

6.10.3.4.1.10.2.1.1 Transport channel parameters for Conversational / speech / DL:5.15 kbps / CS RAB

Higher Layer	RAB/Signalling RE	3	RAB subflow #1	RAB subflow #2
RLC	Logical channel ty	pe	DT	СН
	RLC mode		TM	TM
	Payload sizes, bit		0, 39, 49	54
	Max data rate, bps	3	51	50
	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, 49	54
	TFS TF0,	oits	1x0 (note 2)	0x54
	(note 1) TF1, I	oits	1x39	1x54
	TF2, I	oits	1x49	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		207	186
	Max number of bits/radio frame before rate matching		104	93
	RM attribute			170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.10.2.1.3 TFCS

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

6.10.3.4.1.10.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0.68

6.10.3.4.1.11 Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.3.4.1.11.1 Uplink

6.10.3.4.1.11.1.1 Transport channel parameters

6.10.3.4.1.11.1.1.1 Transport channel parameters for Conversational / speech / UL: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 (alt. 0, 39, 42)	53
	Max data rate, bps	4750	
	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 (alt. 0, 39, 42)	53
	TFS TF0, bits	0x42 (alt. 1x0) (note)	0x53
	TF1, bits	1x39	1x53
	TF2, bits	1x42	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	186	183
	Max number of bits/radio frame before rate matching	93	92
	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).

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.11.1.3 TFCS

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

6.10.3.4.1.11.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.68

6.10.3.4.1.11.2 Downlink

6.10.3.4.1.11.2.1 Transport channel parameters

6.10.3.4.1.11.2.1.1 Transport channel parameters for Conversational / speech / DL: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	53	
	Max data rate, bps	4750		
	TrD PDU header, bit	()	
MAC	MAC header, bit	(0	
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0, 39, 42	53	
	TFS TF0, bits	1x0 (note 2)	0x53	
	(note 1) TF1, bits	1x39	1x53	
	TF2, bits	1x42	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	186	183	
	Max number of bits/radio frame before rate matching	93	92	
	RM attribute	180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.11.2.1.3 TFCS

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

6.10.3.4.1.11.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,72

6.10.3.4.1.12 Conversational / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.12.1 Uplink

6.10.3.4.1.12.1.1 Transport channel parameters

6.10.3.4.1.12.1.1.1 Transport channel parameters for conversational / unknown / UL:28.8 kbps / CS RAB

Higher	RAB/Signalling RB	RAB	
Layer			
RLC	Logical channel type	DTCH	
	RLC mode	TM	
	Payload sizes, bit	576	
	Max data rate, bps	28800	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	576	
	TFS TF0, bits	0x576	
	TF1, bits	1x576	
	TF2, bits	2x576	
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	3564	
	Max number of bits/radio frame before rate	891	
	matching		
	RM attribute	160-200	

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.12.1.1.3 TFCS

TFCS size	6
TFCS	(28.8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.12.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
Max. Number of data bits/radio frame 45		452 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.12.2 Downlink

6.10.3.4.1.12.2.1 Transport channel parameters

6.10.3.4.1.12.2.1.1 Transport channel parameters for conversational / unknown / DL:28.8 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	160-200

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.12.2.1.3 TFCS

TFCS size	6
TFCS	(28.8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.12.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,44

6.10.3.4.1.13 Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.13.1 Uplink

6.10.3.4.1.13.1.1 Transport channel parameters

6.10.3.4.1.13.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

Higher	RAB/Signalling F	RB	RAB
Layer RLC	Logical channel t	N/DA	DTCH
KLC	RLC mode	уре	TM
	Payload sizes, bi	t	640
	Max data rate, by		64000
	TrD PDU header		0
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		640
	TFS	TF0, bits	0x640
		TF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of b	its/TTI after channel coding	3948(alt. 7884)
	Max number of b	its/radio frame before rate	1974(alt. 1971)
	matching		
	RM attribute		150-195

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.13.1.1.3 TFCS

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

6.10.3.4.1.13.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code} x 1 time slot
	Max. Number of data	1210 bits
	TFCI code word	8 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.13.2 Downlink

6.10.3.4.1.13.2.1 Transport channel parameters

6.10.3.4.1.13.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

Higher Layer	RAB/Signalling	RB	RAB
RLC	Logical channel type		DTCH
	RLC mode		TM
	Payload sizes, k	oit	640
	Max data rate, b		64000
	TrD PDU heade		0
MAC	MAC header, bi	t	0
	MAC multiplexing	ng	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		640
	TFS	TF0, bits	0x640
		TF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of	bits/TTI after channel coding	3948(alt. 7884)
	Max number of bits/radio frame before rate		1974(alt. 1971)
	matching		•
	RM attribute		150-195

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.13.2.1.3 TFCS

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

6.10.3.4.1.13.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1212 bits
	TFCI code word	8 bits
	Puncturing limit	0,56

6.10.3.4.1.14 Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.14.1 Uplink

6.10.3.4.1.14.1.1 Transport channel parameters

6.10.3.4.1.14.1.1.1 Transport channel parameters for Conversational / unknown / UL:32 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	640
	Max data rate, bps	32000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	640
	TFS TF0, bits	0x640
	TF1, bits	1x640(alt. 2x640)
	TTI, ms	20(alt. 40)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1980(alt. 3948)
	Max number of bits/radio frame before rate	990(alt. 987)
	matching	·
	RM attribute	165-210

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.13.1.1.3 TFCS

TFCS size	4
TFCS	(32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.14.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	936 bits
	TFCI code word	8 bits
	TPC	2 bits
	Puncturing Limit	0.80

6.10.3.4.1.14.2 Downlink

6.10.3.4.1.14.2.1 Transport channel parameters

6.10.3.4.1.14.2.1.1 Transport channel parameters for Conversational / unknown / DL:32 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer RLC	Logical channel type	DTCH
INLO	RLC mode	TM
	Payload sizes, bit	640
	Max data rate, bps	32000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	640
	TFS TF0, bits	0x640
	TF1, bits	1x640(alt. 2x640)
	TTI, ms	20(alt. 40)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1980(alt. 3948)
	Max number of bits/radio frame before rate	990(alt. 987)
	matching	
	RM attribute	165-210

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.14.2.1.3 TFCS

TFCS size	4
TFCS	(32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.14.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 3 codes x 1 time slot
	Max. Number of data bits/radio frame	724 bits
	TFCI code word	8 bits
	Puncturing limit	0,64

6.10.3.4.1.15 Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.15.1 Uplink

6.10.3.4.1.15.1.1 Transport channel parameters

6.10.3.4.1.15.1.1.1 Transport channel parameters for Streaming / unknown / UL: 14.4 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	14400
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1788
	Max number of bits/radio frame before rate	447
	matching	
	RM attribute	145-185

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.15.1.1.3 TFCS

TFCS size	4
TFCS	(14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.15.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	468 bits
	TFCI code word	8 bits
	TPC	2 bits
	Puncturing Limit	0.80

6.10.3.4.1.15.2 Downlink

6.10.3.4.1.15.2.1 Transport channel parameters

6.10.3.4.1.15.2.1.1 Transport channel parameters for Streaming / unknown / DL:14.4 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
INLO	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	14400
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1788
	Max number of bits/radio frame before rate	447
	matching	
	RM attribute	145-185

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.15.2.1.3 TFCS

TFCS size	4
TFCS	(14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.15.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	480 bits
	TFCI code word	8 bits
	Puncturing limit	0,8

6.10.3.4.1.16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.16.1 Uplink

6.10.3.4.1.16.1.1 Transport channel parameters

6.10.3.4.1.16.1.1.1 Transport channel parameters for Streaming / unknown / UL:28.8 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	135-175

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.16.1.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.16.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	452 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.16.2 Downlink

6.10.3.4.1.16.2.1 Transport channel parameters

6.10.3.4.1.16.2.1.1 Transport channel parameters for Streaming / unknown / DL:28.8 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	135-175

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.16.2.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.16.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,44

6.10.3.4.1.17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.17.1 Uplink

6.10.3.4.1.17.1.1 Transport channel parameters

6.10.3.4.1.17.1.1.1 Transport channel parameters for Streaming / unknown / UL:57.6 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer RLC	Logical channel type	DTCH
IXLO	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	57600
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	 N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TF3, bits	3x576
	TF4, bits	4x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	7116
	Max number of bits/radio frame before rate matching	1779
	RM attribute	125-165

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.17.1.1.3 TFCS

TFCS size	10
TFCS	(57.6 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.17.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	904 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.17.2 Downlink

6.10.3.4.1.17.2.1 Transport channel parameters

6.10.3.4.1.17.2.1.1 Transport channel parameters for Streaming / unknown / DL:57.6 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	57600
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TF3, bits	3x576
	TF4, bits	4x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	7116
	Max number of bits/radio frame before rate	1779
	matching	
	RM attribute	125-165

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.17.2.1.3 TFCS

TFCS size	10
TFCS	(57.6 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.17.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 4 codes x 1 time slot
	Max. Number of data bits/radio frame	960 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.18 Streaming / unknown / UL:0 DL:64 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.18.1 Uplink

6.10.3.4.1.18.1.1 Transport channel parameters

6.10.3.4.1.18.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.18.1.1.3 TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.10.3.4.1.18.1.2 Physical channel parameters

See clause 6.10.3.4.1.2.1.2.

6.10.3.4.1.18.2 Downlink

6.10.3.4.1.18.2.1 Transport channel parameters

6.10.3.4.1.18.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	64000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8076
	Max number of bits/radio frame before rate	2019
	matching	
	RM attribute	125-165

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.18.2.1.3 TFCS

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

6.10.3.4.1.18.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing limit	0,56

6.10.3.4.1.19 Streaming / unknown / UL:64 DL:0 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.19.1 Uplink

6.10.3.4.1.19.1.1 Transport channel parameters

6.10.3.4.1.19.1.1.1 Transport channel parameters for Streaming / unknown / UL:64 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	64000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8076
	Max number of bits/radio frame before rate matching	2019
	RM attribute	125-165

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.19.1.1.3 TFCS

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

6.10.3.4.1.19.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1202 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.19.2 Downlink

6.10.3.4.1.19.2.1 Transport channel parameters

6.10.3.4.1.19.2.1.1 Transport channel parameters for Streaming / unknown / DL:0 kbps / CS or PS RAB

N/A

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.19.2.1.3 TFCS

See clause 6.10.3.4.1.2.2.1.2.

6.10.3.4.1.19.2.2 Physical channel parameters

See clause 6.10.3.4.1.2.2.2.

6.10.3.4.1.20 Streaming / unknown / UL:0 DL:128 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.20.1 Uplink

6.10.3.4.1.20.1.1 Transport channel parameters

6.10.3.4.1.20.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.20.1.1.3 TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.10.3.4.1.20.1.2 Physical channel parameters

See clause 6.10.3.4.1.2.1.2.

6.10.3.4.1.20.2 Downlink

6.10.3.4.1.20.2.1 Transport channel parameters

6.10.3.4.1.20.2.1.1 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	128000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	16152
	Max number of bits/radio frame before rate	4038
	matching	
	RM attribute	125-165

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.20.2.1.3 TFCS

TFCS size	12
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.20.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.21 Streaming / unknown / UL:128 DL:0 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.21.1 Uplink

6.10.3.4.1.21.1.1 Transport channel parameters

6.10.3.4.1.21.1.1.1 Transport channel parameters for Streaming / unknown / UL:128 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	128000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
,	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	16152
	Uplink: Max number of bits/radio frame before	4038
	rate matching	
	RM attribute	125-165

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.21.1.1.3 TFCS

TFCS size	12
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.21.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bit
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.21.2 Downlink

6.10.3.4.1.21.2.1 Transport channel parameters

6.10.3.4.1.21.2.1.1 Transport channel parameters for Streaming / unknown / DL:0 kbps / CS or PS RAB

N/A

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.21.2.1.3 TFCS

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.21.2.2 Physical channel parameters

See clause 6.10.3.4.1.2.2.2.

6.10.3.4.1.22 Streaming / unknown / UL:0 DL:384 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.22.1 Uplink

6.10.3.4.1.22.1.1 Transport channel parameters

6.10.3.4.1.22.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.22.1.1.3 TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.10.3.4.1.22.1.2 Physical channel parameters

See clause 6.10.3.4.1.2.1.2.

6.10.3.4.1.22.2 Downlink

6.10.3.4.1.22.2.1 Transport channel parameters

6.10.3.4.1.22.2.1.1 Transport channel parameters for Streaming / unknown / DL:384 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	384000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TF6, bits	32x320
	TF7, bits	48x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	48432
	Max number of bits/radio frame before rate	12108
	matching	
	RM attribute	110-150

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.22.2.1.3 TFCS

TFCS size	16
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1)

6.10.3.4.1.22.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6608 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.23 Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for

DCCH

6.10.3.4.1.23.1 Uplink

6.10.3.4.1.23.1.1 Transport channel parameters

6.10.3.4.1.23.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
Layer 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 (alt. N/A)
	TTI, ms	20 (alt. 10)
	Coding type	TC (alt. CC 1/3)
	CRC, bit	16
	Max number of bits/TTI after channel coding	2124 (alt. 1080)
	Max number of bits/radio frame before rate matching	1062 (alt. 1080)
	RM attribute	135-175

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.23.1.1.3 TFCS

TFCS size	6 (alt. 4)
TFCS	(32 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1))

6.10.3.4.1.23.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	904 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.76

6.10.3.4.1.23.2 Downlink

6.10.3.4.1.23.2.1 Transport channel parameters

6.10.3.4.1.23.2.1.1 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	TC (alt. CC 1/3)
	CRC, bit	16
	Max number of bits/TTI after channel coding	1068 (alt. 1080)
	Max number of bits/radio frame before rate	267 (alt. 270)
	matching	. ,
	RM attribute	135-175

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.23.2.1.3 TFCS

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

6.10.3.4.1.23.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	236 bits
	TFCI code word	8 bits
	Puncturing limit	0,56

6.10.3.4.1.24 Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

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6.10.3.4.1.24.1 Uplink

6.10.3.4.1.24.1.1 Transport channel parameters

6.10.3.4.1.24.1.1.1 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB

Higher Layer	RAB/Sig	nalling RB	RAB
RLC	Logical channel type		DTCH
	RLC mod	de	AM
	Payload	sizes, bit	320
	Max data	a rate, bps	64000
	AMD PD	U header, bit	16
MAC	MAC header, bit		0
	MAC mu	Itiplexing	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		20
	Coding type		TC
	CRC, bit		16
	Max num	nber of bits/TTI after channel coding	4236
	Max number of bits/radio frame before rate matching		2118
	RM attribute		130-170

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.24.1.1.3 TFCS

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

6.10.3.4.1.24.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1202 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.24.2 Downlink

See clause 6.10.3.4.1.23.2.

6.10.3.4.1.25 Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.25.1 Uplink

See clause 6.10.3.4.1.23.1.

6.10.3.4.1.25.2 Downlink

6.10.3.4.1.25.2.1 Transport channel parameters

6.10.3.4.1.25.2.1.1 Transport channel parameters for Interactive or background / DL:64 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	64000
	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	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	Max number of bits/radio frame before rate matching	2118
	RM attribute	130-170

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.25.2.1.3 TFCS

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

6.10.3.4.1.25.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.26 Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.26.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.26.2 Downlink

See clause 6.10.3.4.1.25.2.

6.10.3.4.1.27 Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.27.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.27.2 Downlink

6.10.3.4.1.27.2.1 Transport channel parameters

6.10.3.4.1.27.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
0	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	128000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460
	Max number of bits/radio frame before rate	4230
	matching	
	RM attribute	120-160

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.27.2.1.3 TFCS

TFCS size	10
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.27.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.28 Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.28.1 Uplink

6.10.3.4.1.28.1.1 Transport channel parameters

6.10.3.4.1.28.1.1.1 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB

Higher Layer	RAB/Sig	gnalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mo	ode	AM
	Payload	I sizes, bit	320
	Max dat	a rate, bps	128000
	AMD PE	DU header, bit	16
MAC	MAC he	eader, bit	0
	MAC mu	ultiplexing	N/A
Layer 1	TrCH ty	pe	DCH
	TB sizes		336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
	TTI, ms		20
	Coding	type	TC
	CRC, bi	t	16
	Max nur	mber of bits/TTI after channel coding	8460
	Max nur matchin	mber of bits/radio frame before rate g	4230
	RM attri	bute	120-160

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.28.1.1.3 TFCS

TFCS size	10
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.28.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.28.2 Downlink

See clause 6.10.3.4.1.27.2.

6.10.3.4.1.29 Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs

for DCCH

6.10.3.4.1.29.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.29.2 Downlink

6.10.3.4.1.29.2.1 Transport channel parameters

6.10.3.4.1.29.2.1.1 Transport channel parameters for Interactive or background / DL:144 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	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	Max number of bits/radio frame before rate matching	4758
	RM attribute	140-180

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.29.2.1.3 TFCS

TFCS size	12
TFCS	(144 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.29.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 9 codes x 1 time slot
	Max. Number of data bits/radio frame	2468 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.30 Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.3.4.1.30.1 Uplink

6.10.3.4.1.30.1.1 Transport channel parameters

6.10.3.4.1.30.1.1.1 Transport channel parameters for Interactive or background / UL:144 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	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	Max number of bits/radio frame before rate	4758
	matching	
	RM attribute	140-180

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.30.1.1.3 TFCS

TFCS size	12
TFCS	(144 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.30.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	{SF16 x 1 code + SF2 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	2466 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.30.2 Downlink

See clause 6.10.3.4.1.29.2.

6.10.3.4.1.31 Interactive or background / UL:64 DL:256 kbps / PS RAB

+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.3.4.1.31.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.31.2 Downlink

6.10.3.4.1.31.2.1 Transport channel parameters

6.10.3.4.1.31.2.1.1 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	N/A (alt. 12x336)
	TF6, bits	N/A (alt. 16x336)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460(alt. 16920)
	Max number of bits/radio frame before rate matching	8460 (alt. 8460)
	RM attribute	135-175

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.31.2.1.3 TFCS

TFCS size	10 (alt.14)
TFCS	(256 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))

6.10.3.4.1.31.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 2 time slots
	Max. Number of data bits/radio frame	4400 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.32 Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs

for DCCH

6.10.3.4.1.32.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.32.2 Downlink

6.10.3.4.1.32.2.1 Transport channel parameters

6.10.3.4.1.32.2.1.1 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A

Higher Layer	RAB/Signalling RB	RAB
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	12x336
	TF6, bits	N/A (alt. 16 x336)
	TF7, bits	N/A (alt. 20 x336)
	TF8, bits	N/A (alt. 24 x336)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	12684(alt. 25368)
	Max number of bits/radio frame before rate matching	12684 (alt. 12684)
	RM attribute	110-150

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.32.2.1.3 TFCS

TFCS size	12 (alt.18)
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1))

6.10.3.4.1.32.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6608 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.33 Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.33.1 Uplink

See clause 6.10.3.4.1.28.1.

6.10.3.4.1.33.2 Downlink

See clause 6.10.3.4.1.32.2.

6.10.3.4.1.34 Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.34.1 Uplink

6.10.3.4.1.34.1.1 Transport channel parameters

6.10.3.4.1.34.1.1.1 Transport channel parameters for Interactive or background / UL:384 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
'	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	12x336
	TF6, bits	16x336(alt. N/A)
	TF7, bits	20x336(alt. N/A)
	TF8, bits	24 x336 (alt. N/A)
	TTI, ms	20 (alt. 10)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	25368
	Max number of bits/radio frame before rate	12684
	matching	
	RM attribute	110-150

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.34.1.1.3 TFCS

TFCS size	18 (alt.12)
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1))

6.10.3.4.1.34.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 3 time slots
	Max. Number of data bits/radio frame	6480 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.34.2 Downlink

See clause 6.10.3.4.1.32.2.

6.10.3.4.1.35 Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps

SRBs for DCCH

6.10.3.4.1.35.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.35.2 Downlink

6.10.3.4.1.35.2.1 Transport channel parameters

6.10.3.4.1.35.2.1.1 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	640
	Max data rate, bps	2048000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
•	TB sizes, bit	656
	TFS TF0, bits	0x656
	TF1, bits	1x656
	TF2, bits	2x656
	TF3, bits	4 x656
	TF4, bits	8 x656
	TF5, bits	12x656
	TF6, bits	16x656
	TF7, bits	20x656
	TF8, bits	24x656
	TF9, bits	28x656
	TF10, bits	32x656
	TF11, bits	N/A (alt. 36x656)
	TF12, bits	N/A (alt. 40x656)
	TF13, bits	N/A (alt. 44x656)
	TF14, bits	N/A (alt. 48x656)
	TF15, bits	N/A (alt. 52x656)
	TF16, bits	N/A (alt. 56x656)
	TF17, bits	N/A (alt. 60x656)
	TF18, bits	N/A (alt. 64x656)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
i	Max number of bits/TTI after channel coding	64575 (alt. 129141)

Higher Layer	RAB/Signalling RB	RAB
	Max number of bits/radio frame before rate matching	64575 (alt. 64571)
	RM attribute	130-170

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.35.2.1.3 TFCS

TFCS size	22 (alt.38)
TFCS	(2048 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0), (TF9, TF0), (TF10, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1)
	(alt. TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0),
	(TF15, TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0), (TF15,
	TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0))

6.10.3.4.1.35.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF1 x 1 code x 12 time slot
	Max. Number of data bits/radio frame	52976 bits
	TFCI code word	16 bits
	Puncturing limit	0,80

6.10.3.4.1.36 Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.36.1 Uplink

See clause 6.10.3.4.1.28.1.

6.10.3.4.1.36.2 Downlink

See clause 6.10.3.4.1.35.2.

6.10.3.4.1.37 Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.37.1 Uplink

See clause 6.10.3.4.1.34.1.

6.10.3.4.1.37.2 Downlink

See clause 6.10.3.4.1.35.2.

6.10.2.4.1.38 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

6.10.3.4.1.38.1 Uplink

6.10.3.4.1.38.1.1 Transport channel parameters

6.10.3.4.1.38.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.1.1.1

6.10.3.4.1.38.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

See clause 6.10.3.4.1.23.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.38.1.1.4 TFCS

TFCS size	18 (alt. 12)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32kbps 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, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(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)
	(alt. (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, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1))

6.10.3.4.1.38.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	904 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.38.2 Downlink

6.10.3.4.1.38.2.1 Transport channel parameters

6.10.3.4.1.38.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.38.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.3.4.1.23.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.

6.10.3.4.1.38.2.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3,8kbps 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)

6.10.3.4.1.38.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,60

Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background 6.10.3.4.1.39 / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.3.4.1.39.1 Uplink

See clause 6.10.3.4.1.38.1.

6.10.3.4.1.39.2 Downlink

6.10.3.4.1.39.2.1 Transport channel parameters

6.10.3.4.1.39.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.39.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB See clause 6.10.3.4.1.25.2.1.1.

6.10.3.4.1.39.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.39.2.1.4 **TFCS**

TFCS size	30
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, 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)

6.10.3.4.1.39.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	1936 bits
	TFCI code word	16 bits
	Puncturing limit	0,68

6.10.3.4.1.40 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

6.10.3.4.1.40.1 Uplink

6.10.3.4.1.40.1.1 Transport channel parameters

6.10.3.4.1.40.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.40.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.3.4.1.24.1.1.1.

6.10.3.4.1.40.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.40.1.1.4 TFCS

TFCS size	30
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, 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, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(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)

6.10.3.4.1.40.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	1808 bits
	TFCI code word	16 bit
	TPC	2 bits
	Puncturing Limit	0.68

6.10.3.4.1.40.2 Downlink

See clause 6.10.3.4.1.39.2.

6.10.3.4.1.41 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

6.10.3.4.1.41.1 Uplink

See clause 6.10.3.4.1.40.1.

6.10.3.4.1.41.2 Downlink

6.10.3.4.1.41.2.1 Transport channel parameters

6.10.3.4.1.41.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.41.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.41.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, 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)

6.10.3.4.1.41.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 1 time slot
	Max. Number of data bits/radio frame	2744 bits
	TFCI code word	16 bits
	Puncturing limit	0,56

6.10.3.4.1.42 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

6.10.3.4.1.42.1 Uplink

See clause 6.10.3.4.1.40.1.

6.10.3.4.1.42.2 Downlink

6.10.3.4.1.42.2.1 Transport channel parameters

6.10.3.4.1.42.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1

6.10.3.4.1.42.2.1.2 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

See clause 6.10.3.4.1.31.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.42.2.1.4 TFCS

TFCS size	30 (alt. 42)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 256 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF1),
	(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, 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)
	(alt. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1))

6.10.3.4.1.42.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 2 time slots
	Max. Number of data bits/radio frame	5504 bits
	TFCI code word	16 bits
	Puncturing limit	0,60

6.10.3.4.1.43 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

6.10.3.4.1.43.1 Uplink

See clause 6.10.3.4.1.40.1.

6.10.3.4.1.43.2 Downlink

6.10.3.4.1.43.2.1 Transport channel parameters

6.10.3.4.1.43.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.43.2.1.2 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB See clause 6.10.3.4.1.32.2.1.1.

6.10.3.4.1.43.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.43.2.1.4 TFCS

TFCS size	36 (alt. 54)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, 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, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1))

6.10.3.4.1.43.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6592 bits
	TFCI code word	32 bits
	Puncturing limit	0,48

6.10.3.4.1.44 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

6.10.3.4.1.44.1 Uplink

6.10.3.4.1.44.1.1 Transport channel parameters

6.10.3.4.1.44.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.44.1.1.2 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB See clause 6.10.3.4.1.28.1.1.1.

6.10.3.4.1.44.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.44.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, 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)

6.10.3.4.1.44.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	{SF8 x 1 code + SF2 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	2724 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.44.2 Downlink

6.10.3.4.1.44.2.1 Transport channel parameters

6.10.3.4.1.44.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.44.2.1.2 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB See clause 6.10.3.4.1.35.2.1.1.

6.10.3.4.1.44.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.44.2.1.4 TFCS

TFCS size	66 (alt. 114)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 2048 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0), (TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1, TF1), (TF1, TF1), (TF1, TF1, TF1), (TF1, TF1, TF1, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1), TF0, TF0, TF0, TF0, TF0, TF0, TF0, TF0
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	(TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1)
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	(alt. (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), (TF1, TF0, TF0, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0), (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0)
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0), (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	(TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	(TF0, TF0, TF0, TF11, TF0), (TF1, TF0, TF0, TF11, TF0), (TF2, TF1, TF1, TF11, TF0),
	(TF0, TF0, TF0, TF12, TF0), (TF1, TF0, TF0, TF12, TF0), (TF2, TF1, TF1, TF12, TF0), (TF0, TF0, TF0, TF13, TF0), (TF1, TF0, TF0, TF13, TF0), (TF2, TF1, TF1, TF13, TF0),
	(TF0, TF0, TF14, TF0), (TF1, TF0, TF0, TF14, TF0), (TF2, TF1, TF1, TF14, TF0),
	(TF0, TF0, TF15, TF0), (TF1, TF0, TF0, TF15, TF0), (TF2, TF1, TF1, TF15, TF0),
	(TF0, TF0, TF0, TF16, TF0), (TF1, TF0, TF0, TF16, TF0), (TF2, TF1, TF1, TF16, TF0),
	(TF0, TF0, TF0, TF17, TF0), (TF1, TF0, TF0, TF17, TF0), (TF2, TF1, TF1, TF17, TF0),
	(TF0, TF0, TF0, TF18, TF0), (TF1, TF0, TF0, TF18, TF0), (TF2, TF1, TF1, TF18, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF3, TF1), (TF0, TF0, TF0, TF1), (TF1, TF3, TF1),
	(TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1),
	(TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1), (TF0, TF0, TF0, TF11, TF1), (TF1, TF1), (TF2, TF1, TF1, TF11, TF1)
	(TF0, TF0, TF0, TF11, TF1), (TF1, TF0, TF0, TF11, TF1), (TF2, TF1, TF1, TF11, TF1), (TF0, TF0, TF0, TF12, TF1), (TF1, TF0, TF0, TF12, TF1), (TF2, TF1, TF1, TF12, TF1),
	(TF0, TF0, TF13, TF1), (TF1, TF0, TF0, TF13, TF1), (TF2, TF1, TF1, TF13, TF1),
	(TF0, TF0, TF0, TF14, TF1), (TF1, TF0, TF0, TF14, TF1), (TF2, TF1, TF1, TF14, TF1),
	(TF0, TF0, TF15, TF1), (TF1, TF0, TF0, TF15, TF1), (TF2, TF1, TF1, TF15, TF1),
	(TF0, TF0, TF0, TF16, TF1), (TF1, TF0, TF0, TF16, TF1), (TF2, TF1, TF1, TF16, TF1), (TF0, TF0, TF0, TF17, TF1), (TF1, TF1, TF17, TF1
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF17, TF1), (TF2, TF1, TF1, TF17, TF1), (TF0, TF0, TF0, TF18, TF1), (TF1, TF0, TF0, TF18, TF1), (TF2, TF1, TF1, TF18, TF1))
	1(11 0, 11 0, 11 10, 11 10, 11 17, (11 1, 11 0, 11 10, 11 17, (112, 111, 111, 1110, 111))

6.10.3.4.1.44.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF1 x 1 code x 12 time slots
	Max. Number of data bits/radio frame	36400 bits
	TFCI code word	32 bits
	Puncturing limit	0,52

6.10.3.4.1.45 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

6.10.3.4.1.45.1 Uplink

6.10.3.4.1.45.1.1 Transport channel parameters

6.10.3.4.1.45.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.45.1.1.2 Transport channel parameters for Streaming / unknown / UL:57.6 kbps / CS RAB See clause 6.10.3.4.1.17.1.1.1.

6.10.3.4.1.45.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.45.1.1.4 TFCS

TFCS size	30	
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 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)	

6.10.3.4.1.45.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF8 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1428 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.60

6.10.3.4.1.45.2 Downlink

6.10.3.4.1.45.2.1 Transport channel parameters

6.10.3.4.1.45.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.45.2.1.2 Transport channel parameters for Streaming / unknown / DL:57.6 kbps / CS RAB See clause 6.10.3.4.1.17.2.1.1.

6.10.3.4.1.45.2.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.11.

6.10.3.4.1.45.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, 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, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(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)

6.10.3.4.1.45.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 6 codes x 1 time slot
	Max. Number of data bits/radio frame	1448 bits
	TFCI code word	16 bits
	Puncturing limit	0,6

6.10.3.4.1.46 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:0 DL:64 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.46.1 Uplink

See clause 6.10.3.4.1.4.1.

6.10.3.4.1.46.2 Downlink

6.10.3.4.1.46.2.1 Transport channel parameters

6.10.3.4.1.46.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.46.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB See clause 6.10.3.4.1.18.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.46.2.1.4 TFCS

TFCS size	30
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, 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)

6.10.3.4.1.46.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,8

6.10.3.4.1.47 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:0 DL:128 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.47.1 Uplink

See clause 6.10.3.4.1.4.1.

6.10.3.4.1.47.2 Downlink

6.10.3.4.1.47.2.1 Transport channel parameters

6.10.3.4.1.47.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.47.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.20.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.47.2.1.4 TFCS

TFCS size	36	
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=	
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),	
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),	
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),	
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),	
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),	
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),	
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),	
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),	
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),	
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)	

6.10.3.4.1.47.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 1 time slot
	Max. Number of data bits/radio frame	2728 bits
	TFCI code word	32 bits
	Puncturing limit	0,56

6.10.3.4.1.48 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:0 DL:384 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.48.1 Uplink

See clause 6.10.3.4.1.4.1.

6.10.3.4.1.48.2 Downlink

6.10.3.4.1.48.2.1 Transport channel parameters

6.10.3.4.1.48.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.48.2.1.2 Transport channel parameters for Streaming / unknown / DL:384 kbps / CS or PS RAB

See clause 6.10.3.4.1.22.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.48.2.1.4 TFCS

TFCS size	48
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)

6.10.3.4.1.48.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 3 time slots
	Max. Number of data bits/radio frame	8248 bits
	TFCI code word	32 bits
	Puncturing limit	0,64

Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB 6.10.3.4.1.49

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.49.1 Uplink

6.10.3.4.1.49.1.1 Transport channel parameters

6.10.3.4.1.49.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.49.1.1.2 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.3.4.1.13.1.1.1.

6.10.3.4.1.49.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.49.1.1.4 **TFCS**

TFCS	size	12
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, 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)

6.10.3.4.1.49.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.72

6.10.3.4.1.49.2 Downlink

6.10.3.4.1.49.2.1 Transport channel parameters

6.10.3.4.1.49.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.49.2.1.2 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.49.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.11.

6.10.3.4.1.49.2.1.4 TFCS

TFCS size	12	
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, TF1, TF0, TF0),	
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, 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)	

6.10.3.4.1.49.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,88

6.10.3.4.1.50 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

6.10.3.4.1.50.1 Uplink

6.10.3.4.1.50.1.1 Transport channel parameters

6.10.3.4.1.50.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.3.5.4.1.13.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.50.1.1.3 TFCS

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

6.10.3.4.1.50.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF1 x 1 code x 1time slot
	Max. Number of data bits/radio frame	3616 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.88

6.10.3.4.1.50.2 Downlink

6.10.3.4.1.50.2.1 Transport channel parameters

6.10.3.4.1.50.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.50.2.1.3 TFCS

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

6.10.3.4.1.50.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 11 codes x 1 time slot
	Max. Number of data bits/radio frame	2668 bits
	TFCI code word	16 bits
	Puncturing limit	0,64

6.10.3.4.1.51 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

6.10.3.4.1.51.1 Uplink

6.10.3.4.1.51.1.1 Transport channel parameters

6.10.3.4.1.51.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.1.1.1.

6.10.3.4.1.51.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.3.4.1.24.1.1.1.

6.10.3.4.1.51.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.51.1.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.51.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.51.2 Downlink

6.10.3.4.1.51.2.1 Transport channel parameters

6.10.3.4.1.51.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.51.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB See clause 6.10.3.4.1.25.2.1.1.

6.10.3.4.1.51.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.51.2.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.51.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.52 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

6.10.3.4.1.52.1 Uplink

See clause 6.10.3.4.1.51.1.

6.10.3.4.1.52.2 Downlink

6.10.3.4.1.52.2.1 Transport channel parameters

6.10.3.4.1.52.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.52.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.52.2.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 128 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.52.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	{SF16 x 8 codes x 1 time slot} +
		{SF16 x 5 codes x 1 time slot}
	Max. Number of data bits/radio frame	3156 bits
	TFCI code word	16 bits
	Puncturing limit	0,44

6.10.3.4.1.53 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

6.10.3.4.1.53.1 Uplink

6.10.3.4.1.53.1.1 Transport channel parameters

6.10.3.4.1.53.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.1.1.1.

6.10.3.4.1.53.1.1.2 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB

See clause 6.10.3.4.1.28.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.53.1.1.4 TFCS

TFCS size	20
TFCS	(Conv. 64 kbps RAB, I/B 128kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)

6.10.3.4.1.53.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF2 x 1 code x 1 time slot} +
		{SF16 x 1 code + SF4 x 1 code} x 1 time slot
	Max. Number of data bits/radio frame	3154 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.53.2 Downlink

See clause 6.10.3.4.1.52.2.

6.10.3.4.1.54 Interactive or background / UL:64 DL:128 kbps / PS RAB

+ Streaming / unknown / UL:0 DL:64 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.54.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.54.2 Downlink

6.10.3.4.1.54.2.1 Transport channel parameters

6.10.3.4.1.54.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

6.10.3.4.1.54.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB See clause 6.10.3.4.1.18.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.54.2.1.4 TFCS

TFCS size	50	
TFCS	(I/B 128 kbps RAB, Str. 64 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),	
	(TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),	
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),	
	(TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),	
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),	
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),	
	(TF0, TF1, TF1), (TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),	
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),	
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),	
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)	

6.10.3.4.1.54.2.4 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	{SF16 x 8 codes x 1 time slot} +
		{SF16 x 5 codes x 1 time slot}
	Max. Number of data bits/radio frame	3140 bits
	TFCI code word	32 bits
	Puncturing limit	0,68

6.10.3.4.1.55 Interactive or background / UL:64 DL:128 kbps / PS RAB

+ Streaming / unknown / UL:0 DL:128 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.55.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.55.2 Downlink

6.10.3.4.1.55.2.1 Transport channel parameters

6.10.3.4.1.55.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

6.10.3.4.1.55.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.20.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.55.2.1.4 TFCS

TFCS size	60
TFCS	(I/B 128 kbps RAB, Str. 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),
	(TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),
	(TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),
	(TF0, TF5, TF0), (TF1, TF5, TF0), (TF2, TF5, TF0), (TF3, TF5, TF0), (TF4, TF5, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),
	(TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)
	(TF0, TF5, TF1), (TF1, TF5, TF1), (TF2, TF5, TF1), (TF3, TF5, TF1), (TF4, TF5, TF1)

6.10.3.4.1.55.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2176 bits
	TFCI code word	32 bits
	Puncturing limit	0,48

6.10.3.4.2 Combinations on PDSCH, SCCPCH, PUSCH and PRACH

6.10.3.4.2.1 Interactive or background / UL: 64 DL: 256 kbps / PS RAB

+ UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH

+ UL: 16.8 DL: 16 kbps SRBs for SHCCH

6.10.3.4.2.1.1 Uplink

6.10.3.4.2.1.1.1 Transport channel parameters

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

Higher Layer	RAB/Sig	nalling RB	RAB	SRB#5
RLC	Logical	channel type	DTCH	SHCCH
	RLC mo	de	AM	TM
	Payload	sizes, bit	320	168
	Max dat	a rate, bps	64000	16800
	AMD/Trl	D PDU header, bit	16	0
MAC	MAC he	ader, bit	0	0
	MAC mu	ultiplexing	N/A	N/A
Layer 1	TrCH typ	oe .	USCH	USCH
	TB sizes		336	168
	TFS	TF0, bits	0x336	0x168
		TF1, bits	1x336	1x168
		TF2, bits	2x336	N/A
		TF3, bits	3x336	N/A
		TF4, bits	4x336	N/A
	TTI, ms		20	10
	Coding t	type	TC	CC ½
	CRC, bit	t	16	16
	Max nur	mber of bits/TTI after channel coding	4236	384
	Max nur matchin	mber of bits/radio frame before rate	2118	384
	RM attri	bute	135-175	180-220

6.10.3.4.2.1.1.1.2 TFCS for USCH

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

6.10.3.4.2.1.1.1.3 Transport channel parameters for SRB for CCCH and UL SRBs for DCCH and UL SRB for SHCCH mapped on RACH

Higher	RAB/signalling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	RRC
					High prio	Low prio	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	SHCCH
	RLC mode	TM	UM	AM	AM	AM	TM
	Payload sizes, bit	168	136	128	128	128	168
	Max data rate, bps	16800	13600	12800	12800	12800	16800
	AMD/UMD/TrD PDU header, bit	0	8	16	16	16	0

Higher	RAB/signalling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	RRC
					High prio	Low prio	
MAC	MAC header, bit	2	26	26	26	26	2
	MAC multiplexing			6 logical chann	el multiplexing		
Layer 1	TrCH type	rCH type RACH					
	TB sizes, bit	170	170	170	170	170	170
	TFS TF0, bits	its 1x170					
	TTI, ms 10						
	Coding type	Coding type CC ½					
	CRC, bit			10	6		
	Max number of bits/TTI after channel coding	388	388	388	388	388	388

6.10.3.4.2.1.1.2 Physical channel parameters

PUSCH	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1202 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

PRACH	Midamble	512 chips
	Codes and time slots	SF8 (alt. SF16) x 1 code x 1
		time slot
	Max. Number of data bits/radio frame	464 (alt. 232)
	Puncturing Limit	1.0 (alt. 0.56)

6.10.3.4.2.1.2 Downlink

6.10.3.4.2.1.2.1 Transport channel parameters

6.10.3.4.2.1.2.1.1 Transport channel parameters for Interactive or background / DL: 256 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

Higher Layer	RAB/Signal	lling RB	RAB	SRB#5
RLC	Logical cha	nnel type	DTCH	SHCCH
	RLC mode		AM	UM
	Payload siz	es, bit	320	160
	Max data ra	ate, bps	256000	16000
	AMD/UMD	PDU header, bit	16	8
MAC	MAC heade	er, bit	0	0
	MAC multip	lexing	N/A	N/A
Layer 1	TrCH type		DSCH	DSCH
	TB sizes, bi	it	336	168
	TFS	TF0, bits	0x336	0x168
		TF1, bits	1x336	1x168
		TF2, bits	2x336	N/A
		TF3, bits	4x336	N/A
		TF4, bits	8x336	N/A
		TF5, bits	N/A (alt. 12x336)	N/A
		TF6, bits	N/A (alt. 16x336)	N/A
	TTI, ms		10 (alt. 20)	10
	Coding type	е	TC	CC ½
	CRC, bit		16	16
	Max number	er of bits/TTI after channel coding	8460 (alt. 16908)	384
	Downlink: No before rate	Max number of bits/radio frame matching	8460 (alt. 8454)	384
	RM attribute		135-175	180-220

6.10.3.4.2.1.2.1.2 TFCS for DSCH

TFCS size	10 (alt. 14)
TFCS	(256 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1),
	(TF3, TF1), (TF4, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF1,
	TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))

6.10.3.4.2.1.2.1.3 Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

Higher	RAB/sign	alling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	SRB#6	
layer	User of R	adio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	RRC	RRC	
						High prio	Low prio			
RLC	Logical cl	hannel type	CCCH	DCCH	DCCH	DCCH	DCCH	SHCCH	BCCH	
	RLC mod	le	UM	UM	AM	AM	AM	UM	TM	
	Payload s	sizes, bit	160	136 or 120 (note)	128	128	128	160	168	
	Max data	rate, bps	32000 (alt. 48000)	27200 or 24000 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	32000 (alt. 48000)	33600 (alt. 50400)	
	AMD/UM header, b	D/TrD PDU oit	8	8	16	16	16	8	0	
MAC	MAC hea	der, bit	3	27 or 43	27	27	27	3	3	
	MAC mul	AC multiplexing 7 logical channel multiplexing								
Layer 1	TrCH type			FACH						
		TB sizes, bit		171	171	171	171	171	171	
	TFS	TF0, bits	0x171							
		TF1, bits		1x171						
		TF2, bits		2x171						
		TF3, bits		3x171						
		TF4, bits		4x171						
	TF5, bits			N/A (alt. 5x171)						
		TF6, bits			١	I/A (alt. 6x171)			
	TTI, ms					20				
	Coding type CRC, bit					CC ½				
				T	T	16	1			
	Max num bits/TTI a coding	ber of Ifter channel	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	
	Max number of		764 (alt.	764 (alt.	764 (alt.	764 (alt.	764 (alt.	764 (alt.	764 (alt.	
	bits/radio		1146)	1146)	1146)	1146)	1146)	1146)	1146)	
NOTE:		te matching	DI C povilos d	 	Luce of LL DN	L or C DNT				
NOTE:	MAC header size and RLC payload size depend on use of U-RNTI or C-RNTI.									

6.10.3.4.2.1.2.1.4 TFCS for FACH

TFCS size	5 (alt. 7)
TFCS	FACH = TF0, TF1, TF2, TF3, TF4 (alt. FACH = TF0, TF1, TF2, TF3, TF4, TF5, T F6)

6.10.3.4.2.1.2.2 Physical channel parameters

PDSCH	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 2 time slots
	Max. Number of data bits/radio frame	4400 bits
	TFCI code word	16 bits
	Puncturing Limit	0.48

SCCPCH (burst	Midamble	512 chips
type 1)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing Limit	1

SCCPCH (burst	Midamble	256 chips
type 2)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1364 bits
	TFCI code word	16 bits
	Puncturing Limit	1

6.10.3.4.2.2

Interactive or background / UL: 64 DL: 384 kbps / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH

+ UL: 16.8 DL: 16 kbps SRBs for SHCCH

6.10.3.4.2.2.1 Uplink

See clause 6.10.3.4.2.1.1.

6.10.3.4.2.2.2 Downlink

6.10.3.4.2.2.2.1 Transport channel parameters

6.10.3.4.2.2.2.1.1 Transport channel parameters for Interactive or background / DL: 384 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

Higher Layer	RAB/Signalling RB	RAB	SRB#5
RLC	Logical channel type	DTCH	SHCCH
	RLC mode	AM	UM
	Payload sizes, bit	320	160
	Max data rate, bps	384000	16000
	AMD/UMD PDU header, bit	16	8
MAC	MAC header, bit	0	0
	MAC multiplexing	N/A	N/A
Layer 1	TrCH type	DSCH	DSCH
	TB sizes, bit	336	168
	TFS TF0, bits	0x336	0x168
	TF1, bits	1x336	1x168
	TF2, bits	2x336	N/A
	TF3, bits	4x336	N/A
	TF4, bits	8x336	N/A
	TF5, bits	12x336	N/A
	TF6, bits	N/A (alt. 16x336)	N/A
	TF7, bits	N/A (alt. 20x336)	N/A
	TF8, bits	N/A (alt. 24x336)	N/A
	TTI, ms	10 (alt. 20)	10
	Coding type	TC	CC ½
	CRC, bit	16	16
	Max number of bits/TTI after channel coding	12684 (alt. 25356)	384
	Downlink: Max number of bits/radio frame before rate matching	12684 (alt. 12678)	384
Î	RM attribute	135-175	180-220

6.10.3.4.2.2.2.1.2 TFCS for DSCH

TFCS size	12 (alt. 18)
TFCS	(384 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF0, TF1), (TF1, TF1),
	(TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7,
	TF0), (TF8, TF0))

6.10.3.4.2.2.2.1.3 Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.2.1.2.1.3.

6.10.3.4.2.2.2.1.4 TFCS for FACH

See clause 6.10.3.4.2.1.2.1.4.

6.10.3.4.2.2.2.2Physical channel parameters

PDSCH	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6608 bits
	TFCI code word	16 bits
	Puncturing Limit	0.48

SCCPCH (burst	Midamble	512 chips
type 1)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing Limit	1

SCCPCH (burst	Midamble	256 chips
type 2)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1364 bits
	TFCI code word	16 bits
	Puncturing Limit	1

6.10.3.4.2.3

Interactive or background / UL: 64 DL: 2048 kbps / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH

+ UL: 16.8 DL: 16 kbps SRBs for SHCCH

6.10.3.4.2.3.1 Uplink

See clause 6.10.3.4.2.1.1.

6.10.3.4.2.3.2 Downlink

6.10.3.4.2.3.2.1 Transport channel parameters

6.10.3.4.2.3.2.1.1 Transport channel parameters for Interactive or background / DL: 2048 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

Higher	RAB/Signalling RB	RAB	SRB#5
Layer			
RLC	Logical channel type	DTCH	SHCCH
	RLC mode	AM	UM
	Payload sizes, bit	640	160
	Max data rate, bps	2048000	16000
	AMD/UMD PDU header, bit	16	8
MAC	MAC header, bit	0	0
	MAC multiplexing	N/A	N/A
Layer 1	TrCH type	DSCH	DSCH
	TB sizes, bit	656	168
	TFS TF0, bits	0x656	0x168
	TF1, bits	1x656	1x168
	TF2, bits	2x656	N/A
	TF3, bits	4x656	N/A
	TF4, bits	8x656	N/A
	TF5, bits	12x656	N/A
	TF6, bits	16x656	N/A
	TF7, bits	20x656	N/A
	TF8, bits	24x656	N/A
	TF9, bits	28x656	N/A
	TF10, bits	32x656	N/A
	TF11, bits	N/A (alt. 36x656)	N/A
	TF12, bits	N/A (alt. 40x656)	N/A
	TF13, bits	N/A (alt. 44x656)	N/A
	TF14, bits	N/A (alt. 48x656)	N/A
	TF15, bits	N/A (alt. 52x656)	N/A
	TF16, bits	N/A (alt. 56x656)	N/A
	TF17, bits	N/A (alt. 60x656)	N/A
	TF18, bits	N/A (alt. 64x656)	N/A
	TTI, ms	10 (alt. 20)	10
	Coding type	TC	CC ½
Ì	CRC, bit	16	16
	Max number of bits/TTI after channel coding	64524 (alt. 129036)	384
	Downlink: Max number of bits/radio frame	64524 (alt. 64518)	384
	before rate matching RM attribute	135-175	180-220

6.10.3.4.2.3.2.1.2 TFCS for DSCH

TFCS size	22 (alt. 38)
TFCS	(2048 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0), (TF9, TF0), (TF10, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0),
	(TF15, TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1), (TF11, TF1), (TF12, TF1), (TF13, TF1), (TF14, TF1), (TF15,
	TF1), (TF16, TF1), (TF17, TF1), (TF18, TF1))

6.10.3.4.2.3.2.1.3 Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.2.1.2.1.3.

6.10.3.4.2.3.2.1.4 TFCS for FACH

See clause 6.10.3.4.2.1.2.1.4.

6.10.3.4.2.3.2.2 Physical channel parameters

PDSCH	Midamble	256 chips
	Codes and time slots	SF16 x 12 codes x 11 time slots
	Max. Number of data bits/radio frame	36416 bits (alt. 36400 bits)
	TFCI code word	16 bits (alt. 32 bits)
	Puncturing Limit	0.56

SCCPCH (burst	Midamble	512 chips
type 1)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing Limit	1

SCCPCH (burst	Midamble	256 chips
type 2)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1364 bits
	TFCI code word	16 bits
	Puncturing Limit	1

6.10.3.4.3 Combinations on PDSCH, SCCPCH, DPCH, PUSCH and PRACH

6.10.3.4.3.1 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

+ Interactive or background / UL: 64 DL: 256 kbps / PS RAB

+ UL: 16.8 kbps SRBs for CCCH and SHCCH

+ DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH

6.10.3.4.3.1.1 Uplink

6.10.3.4.3.1.1.1 Transport channel parameters

6.10.3.4.3.1.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 / CS RAB

See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.3.1.1.1.2 Transport channel parameters for UL SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.3.1.1.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.1.1.3.

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

See clause 6.10.3.4.2.1.1.1.1.

6.10.3.4.3.1.1.1.5 TFCS for USCH

See clause 6.10.3.4.2.1.1.1.2.

6.10.3.4.3.1.1.1.6 Transport channel parameters for SRB for CCCH and UL SRB for SHCCH mapped on RACH

Higher layer	RAB/signalling RB	SRB#0	SRB#5	
	User of Radio Bearer	RRC	RRC	
RLC	Logical channel type	CCCH	SHCCH	
	RLC mode	TM	TM	
	Payload sizes, bit	168	168	
	Max data rate, bps	16800	16800	
	TrD PDU header, bit	0	0	
MAC	MAC header, bit	2	2	
	MAC multiplexing	2 logical channel multiplexing		
Layer 1	TrCH type	RAG	CH	
	TB sizes, bit	170		
	TFS TF0, bits	1x170		
	TTI, ms	10		
	Coding type	CC ½		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	38	88	

6.10.3.4.3.1.1.2 Physical channel parameters

Physical channel parameters for uplink DPCH see 6.10.3.4.1.4.1.2.

Physical channel parameters for PUSCH see 6.10.3.4.2.1.1.2.

Physical channel parameters for PRACH see 6.10.3.4.2.1.1.2.

6.10.3.4.3.1.2 Downlink

6.10.3.4.3.1.2.1 Transport channel parameters

6.10.3.4.3.1.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.3.1.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.3.1.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.10.3.4.3.1.2.1.4 Transport channel parameters for Interactive or background / DL: 256 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.1.2.1.1.

6.10.3.4.3.1.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.1.2.1.2.

6.10.3.4.3.1.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

Higher	RAB/Sig	nalling RB	SRB#0	SRB#5	SRB#6
layer	User of F	Radio Bearer	RRC	RRC	RRC
	Logical c	channel type	CCCH	SHCCH	BCCH
	RLC mod	de	UM	UM	TM
RLC	Payload	sizes, bit	160	160	168
	Max data	a rate, bps	32000	32000	33600
	UMD/Tr[D PDU header, bit	8	8	0
MAC	MAC hea	ader, bit		3	
IVIAO	MAC mu	ltiplexing	31	ogical channel multiplex	ing
	TrCH typ	oe e	FACH		
	TB sizes	, bit	171		
		TF0, bits	0x171		
		TF1, bits	1x171		
	TFS	TF2, bits	2x171		
		TF3, bits	3x171		
Layer 1		TF4, bits	4x171		
Layor .	TTI, ms		10		
	Coding t	ype	CC ½		
	CRC, bit		16		
		nber of bits/TTI after	1528		
	channel				
Ì		nber of bits/radio frame		764	
	before ra	ate matching			

6.10.3.4.3.1.2.1.7 TFCS for FACH

TFCS size	5
TFCS	FACH = TF0, TF1, TF2, TF3, TF4

6.10.3.4.3.1.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see 6.10.3.4.1.4.2.2.

Physical channel parameters for downlink PDSCH see 6.10.3.4.2.1.2.2.

Physical channel parameters for SCCPCH see 6.10.3.4.2.1.2.2.

6.10.3.4.3.2 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

+ Interactive or background / UL: 64 DL: 384 kbps / PS RAB

+ UL: 16.8 kbps SRBs for CCCH and SHCCH

+ DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH

6.10.3.4.3.2.1 Uplink

See clause 6.10.3.4.3.1.1.

6.10.3.4.3.2.2 Downlink

6.10.3.4.3.2.2.1 Transport channel parameters

6.10.3.4.3.2.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.3.2.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.3.2.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.10.3.4.3.2.2.1.4 Transport channel parameters for Interactive or background / DL: 384 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.2.2.1.1.

6.10.3.4.3.2.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.2.2.1.2.

6.10.3.4.3.2.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.3.1.2.1.6.

6.10.3.4.3.2.2.1.7 TFCS for FACH

See clause 6.10.3.4.3.1.2.1.7.

6.10.3.4.3.2.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see 6.10.3.4.1.4.2.2.

Physical channel parameters for PDSCH see 6.10.3.4.2.2.2.2.

Physical channel parameters for SCCPCH see 6.10.3.4.2.1.2.2.

6.10.3.4.3.3 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

+ Interactive or background / UL: 64 DL: 2048 kbps / PS RAB

+ UL: 16.8 kbps SRBs for CCCH and SHCCH

+ DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH

6.10.3.4.3.3.1 Uplink

See clause 6.10.3.4.3.1.1.

6.10.3.4.3.3.2 Downlink

6.10.3.4.3.3.2.1 Transport channel parameters

6.10.3.4.3.3.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.3.3.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.3.3.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.10.3.4.3.3.2.1.4 Transport channel parameters for Interactive or background / DL: 2048 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.3.2.1.1.

6.10.3.4.3.3.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.3.2.1.2.

6.10.3.4.3.3.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.3.1.2.1.6.

6.10.3.4.3.3.2.1.7 TFCS for FACH

See clause 6.10.3.4.3.1.2.1.7.

6.10.3.4.3.3.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see 6.10.3.4.1.4.2.2.

Physical channel parameters for PDSCH see 6.10.3.4.2.3.2.2.

Physical channel parameters for SCCPCH see 6.10.3.4.2.1.2.2.

6.10.3.4.4 Combinations on SCCPCH

6.10.3.4.4.1 Stand-alone signalling RB for PCCH

6.10.3.4.4.1.1 Transport channel parameters

6.10.3.4.4.1.1.1 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)
	TF2, bits	2x240 (alt.2x80)
	TTI, ms	20
	Coding type	CC ½
	CRC, bit	16
	Max number of bits/TTI before i	te 1056 (alt. 400)
	matching	
	Max number of bits/radio frame	pefore 528 (alt. 200)
	rate matching	
	RM attribute	210-250

6.10.3.4.4.1.1.2 TFCS

TFCS size	3
TFCS	SRBs for PCCH = TF0, TF1, TF2

6.10.3.4.2.1.2 Physical channel parameters

S-CCPCH	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,88

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

6.10.3.4.4.2.1 Transport channel parameters

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

Higher	RAB/signalling RB		RAB
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		27
IVIAC	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		363
	TF0,	bits	0 x363
	TFS TF1,	bits	1x363
	TF2,	bits	2x 363
	TTI, ms		20
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI before rate matching Max number of bits/radio frame before rate		2286
			1143
	matching		
	RM attribute		110-150

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

Higher	RAB/signall	ing RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	
layer	User of Rad	lio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC	
RLC	Logical char	nnel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH	
	RLC mode		UM	UM	AM	AM	AM	TM	
	Payload size	es, bit	160	136 or 120 (note)	128	128	128	168	
	Max data ra	te, bps	32000 (alt. 48000)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33600 (alt. 50400)	
	AMD/UMD/ bit	TrD PDU header,	8	8	16	16	16	0	
MAC	MAC heade	r, bit	3	27 or 43	27	27	27	3	
IVIAO	MAC multip	lexing		6 logical channel multiplexing					
Layer 1	TrCH type		FACH						
	TB sizes, bit	t	171						
		TF0, bits	0x171						
		TF1, bits	1x171						
		TF2, bits	2x171						
	TFS	TF3, bits	3x171						
		TF4, bits	4x171						
		TF5, bits	N/A (alt. 5x171)						
		TF6, bits	N/A (alt. 6x171)						
	TTI, ms		20						
	Coding type	}	CC ½						
	CRC, bit		16						
	Max number of bits/TTI before rate matching Max number of bits/radio frame before rate matching		1528 (alt. 2292)						
			764 (alt.1146)						
	RM attribute		200-240						
NOTE:	MAC header	size and RLC paylo	ad size depe	nd on use of	U-RNTI or C	-RNTI.			

6.10.3.4.4.2.1.3 TFCS

TFCS size	15 (alt. 21)
TFCS	(32kbps RAB, SRBs for CCCH/DCCH/BCCH) =
	(TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3), (TF0, TF4),(TF1, TF0), (TF1, TF1), (TF1, TF2),
	(TF1, TF3), (TF1, TF4),(TF2, TF0), (TF2, TF1), (TF2, TF2), (TF2, TF3), (TF2, TF4)
	(alt. (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3), (TF0, TF4), (TF0, TF5), (TF0, TF6),
	(TF1, TF0), (TF1, TF1), (TF1, TF2), (TF1, TF3), (TF1, TF4), (TF1, TF5), (TF1, TF6),
	(TF2, TF0), (TF2, TF1), (TF2, TF2), (TF2, TF3), (TF2, TF4), (TF2, TF5), (TF2, TF6))

6.10.3.4.4.2.2 Physical channel parameters

(burst type 1):

S-CCPCH	Midamble	512 chips
	Codes and time slots	SF16 x 6 codes x 1 time slot
	Max. Number of data bits/radio frame	1448 bits
	TFCI code word	16 bits
	Puncturing limit	0,6

(burst type 2):

S-CCPCH	Midamble	256 chips
	Codes and time slots	SF16 x 6 codes x 1 time slot
	Max. Number of data bits/radio frame	1640 bits
	TFCI code word	16 bits
	Puncturing limit	0,68

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

6.10.3.4.4.3.1 Transport channel parameters

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

See clause 6.10.3.4.4.2.1.

6.10.3.4.4.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.3.4.4.1.1.

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

See clause 6.10.3.4.4.2.1.2.

6.10.3.4.4.3.1.4 TFCS

TFCS size	45 (alt.63)
TFCS	(32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) =
	(TF0, TF0, TF0), (TF0, TF1), (TF0, TF0, TF2), (TF0, TF0, TF3), (TF0, TF0, TF4), (TF0,
	TF1, TF0), (TF0, TF1, TF1), (TF0, TF1, TF2), (TF0, TF1, TF3), (TF0, TF1, TF4),(TF0, TF2, TF0),
	(TF0, TF2, TF1), (TF0, TF2, TF2), (TF0, TF2, TF3), (TF0, TF2, TF4),(TF1, TF0, TF0), (TF1, TF0,
	TF1), (TF1, TF0, TF2), (TF1, TF0, TF3), (TF1, TF0, TF4),(TF1, TF1, TF0), (TF1, TF1, TF1),
	(TF1, TF1, TF2), (TF1, TF1, TF3), (TF1, TF1, TF4),(TF1, TF2, TF0), (TF1, TF2, TF1), (TF1, TF2,
	TF2), (TF1, TF2, TF3), (TF1, TF2, TF4),(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF0, TF2),
	(TF2, TF0, TF3), (TF2, TF0, TF4),(TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF1, TF2), (TF2, TF1,
	TF3), (TF2, TF1, TF4),(TF2, TF2, TF0), (TF2, TF2, TF1), (TF2, TF2, TF2), (TF2, TF3),
	(TF2, TF2, TF4)
	(alt. (TF0, TF0, TF0), (TF0, TF1), (TF0, TF0, TF2), (TF0, TF0, TF3), (TF0, TF0, TF4), (TF0, TF0, TF1)
	TF0, TF5), (TF0, TF0, TF6), (TF0, TF1, TF0), (TF0, TF1, TF1), (TF0, TF1, TF2), (TF0, TF1, TF3), (TF0, TF1, TF1, TF3), (TT0, TF1, TF1, TF1, TF1, TF1), (TT0, TT1, TF1, TF1, TF1, TF1, TF1, TF1, TF1
	(TF0, TF1, TF4), (TF0, TF1, TF5), (TF0, TF1, TF6), (TF0, TF2, TF0), (TF0, TF2, TF1), (TF0, TF2, TF2)
	TF2), (TF0, TF2, TF3), (TF0, TF2, TF4), (TF0, TF2, TF5), (TF0, TF2, TF6), (TF4, TF0, TF2), (TF4, TF4), (TF4, TF2), (TF4, TF4), (TF4, TF2), (TF4, TF4), (TF4, TF4, TF2), (TF4, TF4), (TF4, TF4), (TF4, TF4), (TF4, TF4), (TF4, TF4), (TF4, TF4), (TF4, TF4, TF4, TF4, TF4, TF4, TF4, TF4,
	(TF1, TF0, TF0), (TF1, TF0, TF1), (TF1, TF0, TF2), (TF1, TF0, TF3), (TF1, TF0, TF4), (TF1, TF0, TF1), (TF1, TF1, TF1, TF1, TF1, TF1, TF1, TF1,
	TF0, TF5), (TF1, TF0, TF6), (TF1, TF1, TF0), (TF1, TF1, TF1), (TF1, TF1, TF2), (TF1, TF1, TF3), (TF1, TF2, TF4), (TF1, TF3, TF4), (TF1, TF4, TF3, TF4), (TF1, TF4, TF3, TF4), (TF1, TF4, TF4, TF4), (TF1, TF4, TF4, TF4, TF4, TF4, TF4, TF4, TF4
	(TF1, TF1, TF4), (TF1, TF1, TF5), (TF1, TF1, TF6), (TF1, TF2, TF0), (TF1, TF2, TF1), (TF1, TF2, TF2), (TF1, TF2, TF3), (TF1, TF3, TF3), (TT1, TF3, TF3), (TT1, TT3), (TT1, TT3,
	TF2), (TF1, TF2, TF3), (TF1, TF2, TF4), (TF1, TF2, TF5), (TF1, TF2, TF6), (TF2, TF0, TF2), (TF2, TF0, TF3), (TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3, TF3,
	(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF0, TF2), (TF2, TF0, TF3), (TF2, TF0, TF4), (TF2, TF0, TF5), (TF2, TF0, TF6), (TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF1, TF2), (TF2, TF1, TF3),
	(TF2, TF1, TF4), (TF2, TF1, TF5), (TF2, TF1, TF6), (TF2, TF1, TF2), (TF2, TF1, TF2), (TF2, TF1, TF2), (TF2, TF1, TF3),
	TF2), (TF2, TF3), (TF2, TF2, TF4), (TF2, TF2, TF5) (TF2, TF2, TF6))
	[11 2], (11 2, 11 2, 11 3), (11 2, 11 4), (11 2, 11 3) (11 2, 11 3)

6.10.3.4.4.3.2 Physical channel parameters

(burst type 1):

S-CCPCH	Midamble	512 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	1920 bits
	TFCI code word	32 bits
	Puncturing limit	0,68

(burst type 2):

S-CCPCH	Midamble	256 chips
	Codes and time slots	SF16 x 7 codes x 1 time slot
	Max. Number of data bits/radio frame	1900 bits
	TFCI code word	32 bits
	Puncturing limit	0,64

6.10.3.4.5 Combinations on PRACH

6.10.3.4.5.1 SRB for CCCH + SRB for DCCH

6.10.3.4.5.1.1 Transport channel parameters

6.10.3.4.5.1.1.1 Transport channel parameter for SRB for CCCH, SRB for DCCH

Higher	RAB/signalling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4
layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT
					High prio	Low prio
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH
	RLC mode	TM	UM	AM	AM	AM
	Payload sizes, bit	168	136	128	128	128
	Max data rate, bps	16800	13600	12800	12800	12800
	AMD/UMD/TrD PDU	0	8	16	16	16
	header, bit					
MAC	MAC header, bit	2	26	26	26	26
	MAC multiplexing	5 logical channel multiplexing				
Layer 1	TrCH type			RACH		
	TB sizes, bit	170	170	170	170	170
	TFS TF0, bits	1x170				
	TTI, ms	10				
	Coding type	CC ½				
	CRC, bit	16				
	Max number of	388	388	388	388	388
	bits/TTI after channel					
	coding					
	Max number of	388	388	388	388	388
	bits/Radio frame					
	before rate matching					

6.10.3.4.5.1.1.2 TFCS

TFCS size	1
TFCS	SRBs for CCCH/ DCCH = TF0

6.10.3.4.5.1.2 Physical channel parameters

PRACH	Midamble	512 chips
	Codes and time slots	SF8 (alt. SF16) x 1 code x 1
		time slot
	Max. Number of data bits/radio frame	488 bits (alt. 244 bits)
	Puncturing Limit	1.0 (alt. 0.75)

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	2118
	rate matching	
	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: 1	This TFI is not applied to TFS for RLC test cases.	

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

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

Transport channel parameters for the Uplink RAB

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

Transport channel parameters for the Downlink RAB

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

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

Transport channel parameters for the Uplink RAB

See clause 6.10.2.4.1.24.1.

Transport channel parameters for the Downlink RAB

See clause 6.10.2.4.1.25.2.

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

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

Transport channel parameters for the Uplink RAB

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

Transport channel parameters for the Downlink RAB

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

7 Generic setup procedures

7.1 Basic Generic Procedures

7.1.1 UE Test States for Basic Generic Procedures

This clause describes a set of procedures for use by test cases in TS 34.123-1. Describing these procedures in a generic manner allows their use in many test cases. By using these procedures, test case descriptions need not detail signalling that is not relevant to its purpose or understanding.

The procedures are based upon default values that are adapted to the most common usage. Test cases that require values different from the default will, when specifying the Basic Generic Procedure, also specify those parameters that are modified.

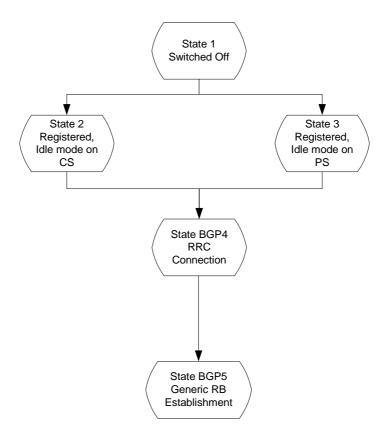


Figure 7.1.1: UE Test States for Basic Generic Procedures

In order that the UE can set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.1.1 and the status of the relevant protocols in the UE in the different states are given in table 7.1.1.

Table 7.1.1: The UE states

		RRC	CC	MM	SM	GMM
State 1	Power OFF		null	detached	inactive	detached
State 2	CS Registered Idle Mode	idle	null	idle	inactive	detached
State 3	PS Registered Idle Mode	idle	null	detached	inactive	idle
State BGP4	RRC Connection	connected	null	as previous	inactive	as previous
State BGP5	Generic RB Establishment	connected	null	as previous	inactive	as previous

7.1.2 Mobile terminated establishment of Radio Resource Connection

7.1.2.1 Initial conditions

System Simulator:

The system simulator will start from the default idle state. Parameters will the default parameters for a single cell, unless otherwise specified in the test case.

User Equipment:

Unless otherwise specified in the test case, the UE will be in the following state:

- Default test operating conditions.

The UE shall have followed the generic registration procedure for CS or PS operations, and will be in Idle Mode, Camped-on (State 2 or State 3).

7.1.2.2 Definition of system information messages

The default system information messages are used.

7.1.2.3 Procedure

- The SS sends a PAGING TYPE 1 message to the UE on the appropriate paging block, and with the IE "Paging record" containing the TMSI or P-TMSI of the UUT.
- The SS receives an RRC CONNECTION REQUEST message from the UE.
- On receipt of the RRC CONNECTION REQUEST the SS shall transmit a RRC CONNECTION SETUP message to the UE. The SS shall wait for the receipt of an RRC CONNECTION SETUP COMPLETE message from the UE.
- On receipt of an RRC CONNECTION SETUP COMPLETE message, the procedure is complete.

Step	Direction	Message	Comments
	UE SS		
1	←	SYSTEM INFORMATION (BCCH)	Default SI messages
2	←	PAGING TYPE 1 (PCCH)	Sent on appropriate cycle
3	\rightarrow	RRC CONNECTION REQUEST (CCCH)	RRC
4	←	RRC CONNECTION SETUP (CCCH)	RRC
5	\rightarrow	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC

7.1.2.4 Specific message contents

7.1.2.4.1 **PAGING TYPE 1**

This message is sent from the SS to the UE, using the TM RLC SAP, on the PCCH logical channel:

	Value/Remark PAGING TYPE 1			
Message Type				
UE Information elem	ents			
Paging record list	Paging record	CN originator	Paging cause	Terminating Speech Call (note)
			CN domain identity	CS domain (note)
			TMSI (GSM-MAP)	As specified during Registration procedure
Other information el	ements			
BCCH modification in	fo	•		omit
				erwise, the Paging cause and

7.1.2.4.2 RRC CONNECTION REQUEST

This message is sent by the UE to the SS using the TM-RLC SAP. It is sent on the CCCH Logical channel.

Information Element	Information Element				
Message Type	RRC CONNECTION				
			REQUEST		
UE information element	S				
Initial UE identity	TMSI and LAI	TMSI (GSM-MAP)	As specified during		
			Registration procedure		
		LAI (GSM-MAP)	As specified by default 1 cell		
			environment		
Initial UE capability	Maximum number	er of AM entities	As declared in UE ICS		
Establishment cause	As appropriate				
Protocol error indicator			FALSE		
Measurement information	on elements				
Measured results on RAC	H		Not checked		

7.1.2.4.3 RRC CONNECTION SETUP

This message is sent from the SS to the UE using the UM-RLC SAP. The message is sent on the CCCH Logical channel.

The default RRC CONNECTION SETUP message for the transition to connected mode CELL_DCH is used except for the IE fields specified below.

Information Element			Value/Remark
Message Type			RRC CONNECTION SETUP
UE Information Elements			
Initial UE identity	TMSI and LAI	TMSI (GSM-MAP)	As specified during Registration procedure
		LAI (GSM-MAP)	As specified by default 1 cell environment
RB Information Elements			
Use default			
TrCH Information Elements	i		
Use default			
Frequency info			As specified by default 1 cell environment
Uplink radio resources			,
Use default			
Downlink radio resources			
Use default			

7.1.2.4.4 RRC CONNECTION SETUP COMPLETE

 $This \ message \ is \ sent \ on \ the \ DCCH \ Logical \ channel.$

Information Element			Value/Remark
Message Type			RRC CONNECTION SETUP
			COMPLETE
UE Information Elements			
Hyper frame number	To		Not checked
UE radio access capability	Conformance test		R99
	PDCP capability	Support for lossless SRNS relocation	Not checked
		Supported algorithm types	Not checked
	RLC capability	Total RLC AM buffer size	Not checked
	i teo capaciity	Maximum number of AM	Not checked
		entities	
	Transport channel capability	Downlink	
	, ,	Max no of bits received	Not checked
		Max convolutionally coded bits received	Not checked
		Max turbo coded bits received	Not checked
		Maximum number of simultaneous transport channels	Not checked
		Max no of received transport blocks	Not checked
		Maximum number of TFC in the TFCS	Not checked
		Maximum number of TF	Not checked
		Support for turbo decoding	Not checked
		Uplink	T
		Max no of bits transmitted	Not checked
		Max convolutionally coded bits received	Not checked
		Max turbo coded bits received	Not checked
		Maximum number of simultaneous transport channels	Not checked
		Max no of transmitted transport blocks	Not checked
		Maximum number of TFC in the TFCS	Not checked
		Maximum number of TF	Not checked
	DE LUC	Support for turbo encoding	Not checked
	RF capability	UE power class	As declared for UE
	Physical channel capability	Tx/Rx frequency separation Downlink	Not checked
		Maximum number of simultaneous CCTrCH	Not checked
		Max no DPCH/PDSCH codes	Not checked
-		Max no physical channel bits received	Not checked
		Support for SF 512	Not checked
		Support of PDSCH	Not checked
		Simultaneous reception of SCCPCH and DPCH	Not checked
		Max no of S-CCPCH RL	Not checked
		Uplink Maximum number of DPDCH bits transmitted per 10 ms	Not checked
		Support of PCPCH	Not checked
		Toubbout of LOLOLI	I vot dilediced

Information Element			Value/Remark
	UE multi- mode/multi-RAT capability	Multi-RAT capability	
		Multi-mode capability	FDD or FDD/TDD
	Security capability	Ciphering algorithm capability	Not checked
		Integrity protection algorithm capability	Not checked
	LCS capability	Standalone location method(s) supported	Not checked
		UE based OTDOA supported	Not checked
		Network Assisted GPS support	Not checked
		GPS reference time capable	Not checked
		Support for IPDL	Not checked
	Measurement capability	Need for downlink compressed mode	Not checked
		FDD measurements DL	Not checked
		TDD measurements DL	Not checke
		GSM 900 DL	Not checked
		DCS 1800 DL	Not checked
		GSM 1900 DL	Not checked
<u> </u>		Multi-carrier measurement DL	Not checked
		Need for uplink compressed mode	Not checked
		FDD measurements UL	Not checked
		TDD measurements UL	Not checked
		GSM 900 UL	Not checked
		DCS 1800 UL	Not checked
		GSM 1900 UL	Not checked
		Multi-carrier measurement UL	Not checked
UE system specific capabil	ity		Not checked

7.1.3 Radio Bearer Setup Procedure

7.1.3.1 Initial conditions

The procedure specified in clause 7.1.2 will be run. This procedure starts from the successful completion of clause 7.1.2.

7.1.3.2 Definition of system information messages

The default system information messages are used.

7.1.3.3 Procedure

- The SS sends a RADIO BEARER SETUP message to the UE on the DCCH established by the RRC Connection Establishment procedure.
- The SS receives a RADIO BEARER SETUP COMPLETE message from the UE in RLC Acknowledged mode on the DCCH.

On receiption of the RADIO BEARER SETUP COMPLETE the procedure is complete.

Step	Direction	Message	Comments
	UE SS		
1	←	RADIO BEARER SETUP (DCCH)	RRC
2	\rightarrow	RADIO BEARER SETUP COMPLETE (DCCH)	RRC

7.1.3.4 Specific message contents

7.1.3.4.1 RADIO BEARER SETUP

The RADIO BEARER SETUP message is sent from the System Simulator to the UE, using AM-RLC on the DCCH logical channel.

The default RRC CONNECTION SETUP message for the setup of a speech radio access bearer is used except for the IE fields specified below.

Information Element		Value/Remark	
Message Type		RADIO BEARER SETUP	
UE Information Elements			
CN Information Elements			
RB Information Elements			
RAB information for setup	ch RAB + 3.4 kbps signalling radio 6.10.2.4.1.4 for FDD and clause		

7.1.3.4.2 RADIO BEARER SETUP COMPLETE

The RADIO BEARER SETUP COMPLETE message is sent from the UE to the System Simulator, using AM-RLC on the DCCH logical channel.

The default RADIO BEARER SETUP COMPLETE message is used .

Information Element	Value/Remark
Message Type	RADIO BEARER SETUP COMPLETE
Use default	

7.2 Generic setup procedures

7.2.1 UE Test States for Generic setup procedures

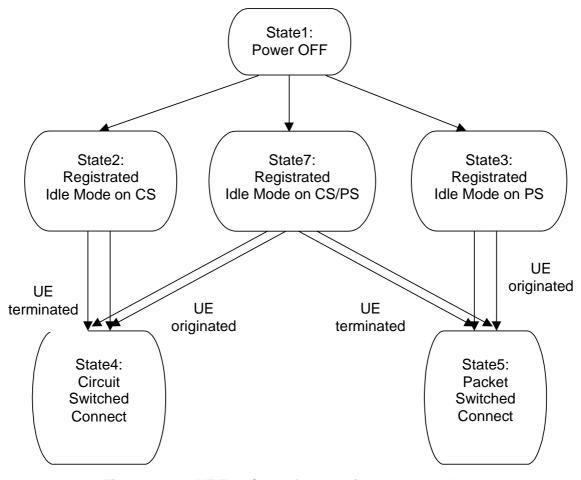


Figure 7.2.1.1: UE Test States for Generic setup procedures

In order that the UE can set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.2.1.1 and the status of the relevant protocols in the UE in the different states are given in table 7.2.1.1.

Table 7.2.1.1: The UE states

		RRC	CC	MM	SM	GMM
State1	Power OFF		null	detached	inactive	detached
State2	Registered Idle Mode on CS	idle	null	idle	inactive	detached
State3	Registered Idle Mode on PS	idle	null	detached	inactive	idle
State4	Circuit Switched Connect	connected	active	connected	inactive	same as previous state
State5	Packet Switched Connect	connected	null	same as previous state	active	connected
State7	Registered Idle Mode on CS/PS	idle	null	idle	inactive	idle

7.2.2 Registration of UE

7.2.2.1 Registration on CS

7.2.2.1.1 Initial condition

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.2.1.2 Definition of system information messages

The default system information messages are used.

7.2.2.1.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction		Message	Comments
-	UE	SS		
1	<		SYSTEM INFORMATION (BCCH)	NW Broadcast
2		·>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	:	RRC CONNECTION SETUP (CCCH)	RRC
4		·>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5		·>	LOCATION UPDATING REQUEST	MM
6	<		AUTHENTICATION REQUEST	MM
7		->	AUTHENTICATION RESPONSE	MM
8	<		SECURITY MODE COMMAND	RRC
9		->	SECURITY MODE COMPLETE	RRC
10	<	:	LOCATION UPDATING ACCEPT	MM
11	>		TMSI REALLOCATION COMPLETE	MM
12	<		RRC CONNECTION RELEASE	RRC
13	>		RRC CONNECTION RELEASE COMPLETE	RRC

7.2.2.1.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.2.2 Registration on PS

7.2.2.2.1 Initial condition

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.2.2.2 Definition of system information messages

The default system information messages are used.

7.2.2.2.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	NW Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	ATTACH REQUEST	GMM
6	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
7	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	<	ATTACH ACCEPT	GMM
11	>	ATTACH COMPLETE	GMM
12	<	RRC CONNECTION RELEASE	RRC
13	>	RRC CONNECTION RELEASE COMPLETE	RRC

7.2.2.2.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.2.3 Registration on CS / PS combined environment

7.2.2.3.1 Initial condition

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.2.3.2 Definition of system information messages

7.2.2.3.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	NW Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	ATTACH REQUEST	GMM
6	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
7	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	<	ATTACH ACCEPT	GMM
11	>	ATTACH COMPLETE	GMM
12	<	RRC CONNECTION RELEASE	RRC
13	>	RRC CONNECTION RELEASE COMPLETE	RRC

7.2.2.3.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.3 Call setup

7.2.3.1 Generic call set up procedure for mobile terminating circuit switched calls

7.2.3.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.3.1.2 Definition of system information messages

7.2.3.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	PAGING (PCCH)	Paging
3	>	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	RRC CONNECTION SETUP (CCCH)	RRC
5	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>	PAGING RESPONSE	RR
7	<	AUTHENTICATION REQUEST	MM
8	>	AUTHENTICATION RESPONSE	MM
9	<	SECURITY MODE COMMAND	RRC
10	>	SECURITY MODE COMPLETE	RRC
11	<	SET UP	CC
12	>	CALL CONFIRMED	CC
13	<	RADIO BEARER SETUP	RRC RAB SETUP
14	>	RADIO BEARER SETUP COMPLETE	RRC
15	>	ALERTING	CC (this message is optional)
16	>	CONNECT	CC
17	<	CONNECT ACKNOWLEDGE	CC

7.2.3.1.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.3.2 Generic call set-up procedure for mobile originating circuit switched calls

7.2.3.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.3.2.2 Definition of system information messages

7.2.3.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	CM SERVICE REQUEST	MM
6	<	AUTHENTICATION REQUEST	MM
7	>	AUTHENTICATION RESPONSE	MM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	>	SET UP	CC
11	<	CALL PROCEEDING	CC
12	<	RADIO BEARER SETUP	RRC RAB SETUP
13	>	RADIO BEARER SETUP COMPLETE	RRC
14	<	ALERTING	CC
15	<	CONNECT	CC
16	>	CONNECT ACKOWLEDGE	CC

7.2.3.2.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.4 Session setup

7.2.4.1 Generic session set up procedure for mobile terminating packet switched sessions

7.2.4.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.4.1.2 Definition of system information messages

7.2.4.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<	-	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	-	PAGING TYPE1 (PCCH)	Paging
3	>	>	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	-	RRC CONNECTION SETUP (CCCH)	RRC
5	>	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>	>	SERVICE REQUEST	GMM
7	<	-	AUTHENTICATION AND CIPHERING REQUEST	GMM
8	>	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
9	<	-	SECURITY MODE COMMAND	RRC
10	>	>	SECURITY MODE COMPLETE	RRC
11	<	-	REQUEST PDP CONTEXT ACTIVATION	SM
12	>	>	ACTIVATE PDP CONTEXT REQUEST	SM
13	<		RADIO BEARER SETUP	RRC RAB SETUP
14	>		RADIO BEARER SETUP COMPLETE	RRC
15	<		ACTIVATE PDP CONTEXT ACCEPT	SM

7.2.4.1.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.4.2 Generic session set up procedure for mobile originating packet switched sessions

7.2.4.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.4.2.2 Definition of system information messages

7.2.4.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	SERVICE REQUEST	GMM
6	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
7	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	>	ACTIVATE PDP CONTEXT REQUEST	SM
11	<	RADIO BEARER SETUP	RRC RAB SETUP
12	>	RADIO BEARER SETUP COMPLETE	RRC
13	<	ACTIVATE PDP CONTEXT ACCEPT	SM

7.2.4.2.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.3 Test procedures for RF test

7.3.1 UE Test States for RF testing

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

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

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

7.3.2.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS)

The UE has a valid P-TMSI (PS)

7.3.2.2 Definition of system information messages

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

Contents of System information block type 1: RRC

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

7.3.2.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE :	SS		
1	<		SYSTEM INFORMATION (BCCH)	Broadcast
2	<		PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
3	>		RRC CONNECTION REQUEST (CCCH)	RRC
4	<		RRC CONNECTION SETUP (CCCH)	RRC
5	>		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>		PAGING RESPONSE	RR
7	<		ACTIVATE RB TEST MODE	TC
8	>		ACTIVATE RB TEST MODE COMPLETE	TC
9	<		RADIO BEARER SETUP	RRC (RAB SETUP)
10	>		RADIO BEARER SETUP COMPLETE	RRC
11	<		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)
12	>		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback
				entities for the radio bearer(s)
				have been created and loop
				back is activated)
13	<		OPEN UE TEST LOOP	TC
14	>		OPEN UE TEST LOOP COMPLETE	TC
15	<		RRC CONNECTION RELEASE	RRC
16	>		RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

Step	Direction	Message	Comments			
	UE SS	7				
1	<	SYSTEM INFORMATION (BCCH)	Broadcast			
2	<	PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)			
3	>	RRC CONNECTION REQUEST (CCCH)	RRC			
4	<	RRC CONNECTION SETUP (CCCH)	RRC			
5	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC			
6	>	SERVICE REQUEST	GMM			
7	<	SECURITY MODE COMMAND	RRC (note)			
8	>	SECURITY MODE COMPLETE	RRC (note)			
9	<	ACTIVATE RB TEST MODE	TC			
10	>	ACTIVATE RB TEST MODE COMPLETE	TC			
11	<	RADIO BEARER SETUP	RRC (RAB SETUP)			
12	>	RADIO BEARER SETUP COMPLETE	RRC			
13	<	CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)			
14	>	CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback			
			entities for the radio bearer(s)			
			have been created and loop			
			back is activated)			
15	<	OPEN UE TEST LOOP	TC			
16	>	OPEN UE TEST LOOP COMPLETE	TC			
17	<	RRC CONNECTION RELEASE	RRC			
18	>	RRC CONNECTION RELEASE COMPLETE	RRC			
NOTE:	Step7 and Step8 are inserted in order to stop T3317 timer in the UE, which starts after transmitting					
	SERVICE REQUEST message.					

7.3.2.4 Specific message contents

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

7.3.2.4.1 ATTCH ACCEPT

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

Contents of Attach Accept message: GMM

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

7.3.2.4.2 Reference measurement channels

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

UL reference measurement channel (12.2kbps)

[T.B.D.]

UL reference measurement channel (786kbps)

[T.B.D.]

DL reference measurement channel (12.2kbps)

[T.B.D.]

DL reference measurement channel (64kbps)

[T.B.D.]

DL reference measurement channel (144kbps)

[T.B.D.]

DL reference measurement channel (384kbps)

[T.B.D.]

Reference measurement channel for BTFD

[T.B.D.]

7.3.2.4.3 UE test loop mode

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

UE test loop mode 1 without DCCH dummy transmission

Default. See clause 9.2.

UE test loop mode 1 with DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

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

UE test loop mode 2 without DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

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

7.3.2.4.4 Compressed mode

[T.B.D.]

7.3.2.4.5 Transmit diversity mode

[T.B.D.]

7.3.3 Test procedure for Rx Spurious Emission

7.3.3.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS)

The UE has a valid P-TMSI (PS)

7.3.3.2 Definition of system information messages

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

Contents of System information block type 1: RRC

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

7.3.3.3 Procedure

For UE supporting CS

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

For UE supporting PS only

Step	Direction		Message	Comments	
	UE	SS			
1	<		SYSTEM INFORMATION (BCCH)	Broadcast	
2	<		PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)	
3		>	RRC CONNECTION REQUEST (CCCH)	RRC	
4	<		RRC CONNECTION SETUP (CCCH)	RRC	
5		>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC	
6		>	SERVICE REQUEST	GMM	
7	<		SECURITY MODE COMMAND	RRC (note)	
8		>	SECURITY MODE COMPLETE	RRC (note)	
9	<		ACTIVATE RB TEST MODE	TC	
10	>		ACTIVATE RB TEST MODE COMPLETE	TC	
11	<		RADIO BEARER SETUP	RRC	
				- RAB SETUP using Reference	
				Radio Bearer Configuration	
				- RRC state indicator is set to	
				"CELL_FACH"	
12	>		RADIO BEARER SETUP COMPLETE	RRC	
13	<		RRC CONNECTION RELEASE	RRC	
14			RRC CONNECTION RELEASE COMPLETE	RRC	
NOTE:	E: Step7 and Step8 are inserted in order to stop T3317 timer in the UE, which starts after transmitting		starts after transmitting		
	SERVICE REQUEST message.				

7.3.3.4 Specific message contents

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

Contents of RADIO BEARER SETUP message: RRC

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

Contents of Attach Accept message: GMM

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

7.3.4 Test procedure for Handover

FFS

7.3.5 Test procedure for Measurement Performance Requirement

FFS

7.4 Common generic procedures for AS testing

7.4.1 UE RRC Test States for common procedures

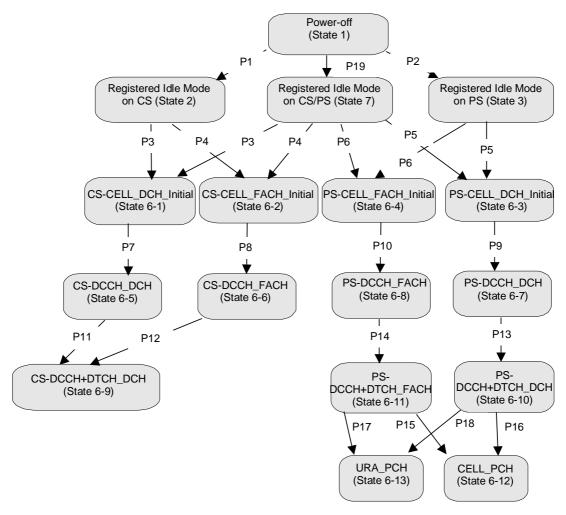


Figure 7.4.1.1: UE RRC test initial states and common procedures

For UE to set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.4.1.1, the operating states for various protocols in the UE are given in table 7.4.1.1.

It is noted that figure 7.4.1.1 should not be construed as a formal state transition diagram, in any manner. The intention here is to define the starting state of UE following the execution of the procedures indicated above.

Table 7.4.1.1: The UE states

		RRC	CC	MM	SM	GMM
State 1	Power OFF		Null	Detached	Inactive	Detached
State 2	Registered Idle Mode on CS	Idle	Null	Idle	Inactive	Detached
State 3	Registered Idle Mode on PS	Idle	Null	Detached	Inactive	Idle
State 7	Registered Idle Mode on CS/PS	Idle	Null	Idle	Inactive	Idle
State BGP6-1	CS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-2	CS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-3	PS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-4	PS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-5	CS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Inactive	As previous
State BGP6-6	CS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Inactive	As previous
State BGP6-7	PS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Active pending	As previous
State BGP6-8	PS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Active pending	As previous
State BGP6-9	CS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Connected	As previous	Inactive	As previous
State BGP6-10	PS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Null	As previous	Active	As previous
State BGP6-11	PS-DCCH+DTCH_FACH	Connected (CELL_FACH)	Null	As previous	Active	As previous
State BGP6-12	CELL_PCH	Connected (CELL_PCH)	Null	As previous	Inactive	As previous
State BGP6-13	URA_PCH	Connected (URA_PCH)	Null	As previous	Inactive	As previous

State 1, state 2, state 3, P1, P2 and P19 are described in TS34.108 clause 7.2. States 6-X (for X=1 to 16) are described below.

7.4.2 Generic Setup Procedure for RRC test cases

7.4.2.1 RRC connection establishment procedure for circuit-switched calls (procedure P3 and P4)

7.4.2.1.1 Mobile terminating call

7.4.2.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.1.1.2 Definition of system information messages

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

7.4.2.1.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE SS			
1	<		PAGING TYPE 1 (PCCH)	RRC
2	>		RRC CONNECTION REQUEST (CCCH)	RRC
3	<		RRC CONNECTION SETUP (CCCH)	RRC
4	>		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>		PAGING RESPONSE	RR

7.4.2.1.1.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 Annex A is used.

7.4.2.1.2 Mobile originating calls

7.4.2.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.1.2.2 Definition of system information messages

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

7.4.2.1.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	>		RRC CONNECTION REQUEST (CCCH)	RRC
2	<		RRC CONNECTION SETUP (CCCH)	RRC
3	>		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	>		CM SERVICE REQUEST	MM

7.4.2.1.2.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 Annex A is used.

7.4.2.2 RRC connection establishment procedure for packet switched sessions (procedure P5 and P6)

7.4.2.2.1 Mobile terminating session

7.4.2.2.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.2.1.2 Definition of system information messages

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

7.4.2.2.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	PAGING TYPE1 (PCCH)	Paging
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	SERVICE REQUEST	GMM

7.4.2.2.1.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 Annex A is used.

7.4.2.2.2 Mobile originating sessions

7.4.2.2.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.2.2.2 Definition of system information messages

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

7.4.2.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	>	RRC CONNECTION REQUEST (CCCH)	RRC
2	<	RRC CONNECTION SETUP (CCCH)	RRC
3	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	>	SERVICE REQUEST	GMM

7.4.2.2.2.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 annex. A is used.

7.4.2.3 NAS call set up procedure for circuit switched calls (procedure P7 and P8)

7.4.2.3.1 Mobile terminating call

7.4.2.3.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.
- The Test USIM shall be inserted.

7.4.2.3.1.2 Definition of system information messages

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

7.4.2.3.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE S	SS		
1	<		AUTHENTICATION REQUEST	MM
2	>		AUTHENTICATION RESPONSE	MM
3	<		SECURITY MODE COMMAND	RRC
4	>		SECURITY MODE COMPLETE	RRC
5	<		SET UP	CC
6	>		CALL CONFIRMED	CC

7.4.2.3.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.3.2 Mobile originating calls

7.4.2.3.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1or state 6-2.
- The Test USIM shall be inserted.

7.4.2.3.2.2 Definition of system information messages

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

7.4.2.3.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<	<	AUTHENTICATION REQUEST	MM
2	>		AUTHENTICATION RESPONSE	MM
3	<		SECURITY MODE COMMAND	RRC
4	-	->	SECURITY MODE COMPLETE	RRC
5	>		SET UP	CC
6	<		CALL PROCEEDING	CC

7.4.2.3.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.4 NAS session activation procedure for packet switched sessions (procedure P9 and P10)

7.4.2.4.1 Mobile terminating session

7.4.2.4.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

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

7.4.2.4.1.2 Definition of system information messages

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

7.4.2.4.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
2	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
3	<	SECURITY MODE COMMAND	RRC
4	>	SECURITY MODE COMPLETE	RRC
5	<	REQUEST PDP CONTEXT ACTIVATION	SM
6	>	ACTIVATE PDP CONTEXT REQUEST	SM

7.4.2.4.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.4.2 Mobile originating sessions

7.4.2.4.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

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

7.4.2.4.2.2 Definition of system information messages

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

7.4.2.4.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<		AUTHENTICATION AND CIPHERING REQUEST	GMM
2	>		AUTHENTICATION AND CIPHERING RESPONSE	GMM
3	<		SECURITY MODE COMMAND	RRC
4	>		SECURITY MODE COMPLETE	RRC
5	>		ACTIVATE PDP CONTEXT REQUEST	SM

7.4.2.4.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS34.108.

7.4.2.5 Radio access bearer establishment procedure for circuit switched calls (procedure P11 and P12)

7.4.2.5.1 Mobile terminating call

7.4.2.5.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

7.4.2.5.1.2 Definition of system information messages

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

7.4.2.5.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Directio	n Message	Comments
	UE S	3	
1	<	RADIO BEARER SETUP	RRC RAB SETUP
2	>	RADIO BEARER SETUP COMPLETE	RRC
3	>	ALERTING	CC (This message is optional)
4	>	CONNECT	CC
5	<	CONNECT ACKNOWLEDGE	CC

7.4.2.5.1.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in clause 9 of TS 34.108) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in annex A of TS 34.123-1) for the message in step 1.

7.4.2.5.2 Mobile originating calls

7.4.2.5.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

7.4.2.5.2.2 Definition of system information messages

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

7.4.2.5.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	RADIO BEARER SETUP	RRC RAB SETUP
2	>	RADIO BEARER SETUP COMPLETE	RRC
3	<	ALERTING	CC
4	<	CONNECT	CC
5	>	CONNECT ACKOWLEDGE	CC

7.4.2.5.2.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in Annex A of TS 34.123-1) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in Annex A of TS 34.123-1) for the message in step 1.

7.4.2.6 Radio access bearer establishment procedure for packet switched sessions (procedure P13 and P14)

7.4.2.6.1 Mobile terminating session

7.4.2.6.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

7.4.2.6.1.2 Definition of system information messages

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

7.4.2.6.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<		RADIO BEARER SETUP	RRC RAB SETUP
2	>		RADIO BEARER SETUP COMPLETE	RRC
3	<		ACTIVATE PDP CONTEXT ACCEPT	SM

7.4.2.6.1.4 Specific message contents

For step 1, the messages in annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL_DCH from CELL_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL_FACH from CELL_FACH in PS".

7.4.2.6.2 Mobile originating sessions

7.4.2.6.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

7.4.2.6.2.2 Definition of system information messages

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

7.4.2.6.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

	Step	Direction		Message	Comments
		UE	SS		
Γ	1	<		RADIO BEARER SETUP	RRC RAB SETUP
	2	>		RADIO BEARER SETUP COMPLETE	RRC
	3			ACTIVATE PDP CONTEXT ACCEPT	SM

7.4.2.6.2.4 Specific message contents

For step 1, the messages in Annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL_DCH from CELL_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL_FACH from CELL_FACH in PS".

7.4.2.7 Procedure for transitions to CELL_PCH or URA_PCH state (procedure P15, P16, P17 and P18)

7.4.2.7.1 Transition to CELL_PCH (procedure P15 and P16)

7.4.2.7.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

7.4.2.7.1.2 Definition of system information messages

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

7.4.2.7.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	PHYSICAL CHANNEL RECONFIGURATION	RRC
2	>	PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

7.4.2.7.1.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type	
RRC State Indicator	CELL_PCH

7.4.2.7.2 Transition to URA_PCH (procedure P17 and P18)

7.4.2.7.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

7.4.2.7.2.2 Definition of system information messages

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

7.4.2.7.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<		PHYSICAL CHANNEL RECONFIGURATION	RRC
2	>		PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

7.4.2.7.2.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type	
RRC State Indicator	URA_PCH

8 Test USIM Parameters

8.1 Introduction

This clause defines default parameters for programming the elementary files of the test USIM. The requirements of this clause do not apply to the USIM/ME tests of 3GPP TS 31.120 and 3GPP TS 31.121.

8.1.1 Definitions

"Test USIM card":

A USIM card supporting the test algorithm for authentication, programmed with the parameters defined in this clause. The electrical, mechanical and environmental requirements of the test USIM card are specified in TS 31.101 and TS 31.102.

"Test USIM":

Either a test USIM card or the USIM simulator programmed with the parameters defined in this clause.

8.1.2 Definition of the test algorithm for authentication

In order to be able to easily test the UMTS authentication and key agreement procedure as specified in TS 33.102 [24] and TS 33.105 [26] along the whole system, the availability of a test algorithm for generation of authentication vector based on quintets is needed (in GSM triplets was used). Additionally, calculation of the parameters for resynchronisation requests is needed. The definition of the test algorithm are the functions f1, f2, f3, f4, f5 and the corresponding functions for re-synchronization are f1* and f5*.

The test algorithm defined in the present clause shall be implemented in test USIM cards as well in test USIM simulators and SS. The test algorithm may also, for test purposes, be implemented in AUC.

The following procedure employs bit wise modulo 2 addition ("XOR").

The following convention applies:

All data variables in the specification of this test algorithm are presented with the most significant substring on the left hand side and the least significant substring on the right hand side. A substring may be a bit, byte or other arbitrary length bitstring. Where a variable is broken down into a number of substrings, the leftmost (most significant) substring is numbered 0, the next most significant is numbered 1, and so on through to the least significant.

8.1.2.1 Authentication and key derivation in the test USIM and SS

The following steps describe sequence of operations for the functions f1, f2, f3, f4 and f5 to perform in the test USIM and SS, in order to obtain the XMAC/MAC, RES/XRES, CK, IK and AK respectively, to be used in the authentication and key agreement procedure.

Step 1:

XOR to the challenge **RAND**, a predefined number **K** (in which at least one bit is not zero, see 8.2), having the same bit length (128 bits) as **RAND**.

The result **XDOUT** of this is:

```
XDOUT[bits 0,1, \dots 126,127] = K [bits 0,1, \dots 126,127] XOR RAND[bits 0,1, \dots 126,127]
```

Step 2:

RES (test USIM), XRES (SS), CK, IK and AK are extracted from XDOUT this way:

```
RES[bits 0,1,...n-1,n] = f2(XDOUT,n) = XDOUT[bits 0,1,...n-1,n] (with 30 < n < 128)
```

NOTE: Suggested length for RES is 128 bits (i.e. n = 127). In SS and AUC, the XRES calculation is identical to RES.

CK[bits 0,1,...126,127] = $\mathbf{f3}(\mathbf{XDOUT})$ = \mathbf{XDOUT} [bits 8,9,...126,127,0,1,...6,7]

```
IK[bits 0,1,...126,127] = f4(XDOUT) = XDOUT[bits 16,17,...126,127,0,1,...14,15]
```

AK[bits 0,1,...46,47] = f4(XDOUT) = XDOUT[bits 24,25,...70,71]

Step 3:

Concatenate SQN with AMF to obtain CDOUT like this:

```
CDOUT[bits 0,1,...62,63] = SQN[bits 0,1,...46,47] || AMF[bits 0,1,...14,15]
```

NOTE: For test USIM the $\mathbf{SQN} = \mathbf{SQN_{MS}} = \mathbf{SQN_{SS}}$ [bits 0,1,...46,47] = \mathbf{AUTN} [bits 0,1,...46,47] XOR \mathbf{AK} [bits 0,1,...46,47] where AUTN is the received authentication token.

Step 4:

XMAC (test USIM) and MAC (SS) are calculated from XDOUT and CDOUT this way:

XMAC[bits $0,1, \dots 62, 63$] = $\mathbf{f1}(\mathbf{XDOUT}, \mathbf{CDOUT})$ = \mathbf{XDOUT} [bits $0,1, \dots 62, 63$] XOR \mathbf{CDOUT} [bits $0,1, \dots 62, 63$]

NOTE: In SS and AUC, the MAC calculation is identical to XMAC

Step 5:

The SS calculates the authentication token **AUTN**:

AUTN[bits 0,1,..126,127] = **SQN**
$$\oplus$$
 AK[bits 0,1,...46,47] \parallel **AMF**[bits 0,1,...14,15] \parallel **MAC**[bits 0,1,...62, 63]

Where **SQN** \oplus **AK**[bits 0,1,...46,47] = **SQN**[bits 0,1,...46,47] XOR **AK**[bits 0,1,...46,47]

8.1.2.2 Generation of re-synchronisation parameters in the USIM

For SS to be able to initiate an authentication re-synchronisation procedure a specific AMF value has been defined.

$$AMF_{RESYNCH} = AMF[bits 0,1,..14,15] = "1111 1111 1111 1111"$$

When the test USIM receives an authentication token (AUTN) having the value of AMF field equal to the AMF_{RESYNCH} value then the test USIM shall initiate the re-synchronisation procedure.

When the test USIM starts the re-synchronisation procedure, the MAC-S and AK have to be calculated using the functions f1* and f5*, which in the test algorithm are identical to f1 and f5, respectively.

Step 1:

XOR to the challenge **RAND**, a predefined number **K** (in which at least one bit is not zero, see 8.2), having the same bit length (128 bits) as **RAND**.

The result **XDOUT** of this is:

Step 2:

AK is extracted from **XDOUT** this way:

$$AK[bits 0,1,...46,47] = f5*(XDOUT) = XDOUT[bits 24,25,...70,71]$$

Step 3:

Concatenate SQN_{MS} with AMF* to obtain CDOUT like this:

CDOUT[bits 0,1,...62,63] = **SQN_{MS}**[bits 0,1,...46,47]
$$\parallel$$
 AMF*[bits 0,1,...14,15]

Where AMF* assumes a dummy value of all zeros

NOTE: For test USIM the $\mathbf{SQN_{MS}} = \mathbf{SQN_{SS}}[\text{bits } 0,1,\dots46,47] = \mathbf{AUTN}[\text{bits } 0,1,\dots46,47] \text{ XOR } \mathbf{AK}[\text{bits } 0,1,\dots46,47] \text{ where AUTN is the received authentication token.}$

For SS and AUC the $\mathbf{SQN_{MS}} = \mathbf{AUTS}[\text{bits } 0,1,\dots.46,47] \text{ XOR } \mathbf{AK}[\text{bits } 0,1,\dots.46,47] \text{ where AUTS is the received re-synchronisation parameter.}$

Step 4:

MAC-S is calculated from XDOUT and CDOUT this way:

```
MAC-S[bits 0,1,...62, 63] = \mathbf{f1*}(\mathbf{XDOUT}, \mathbf{CDOUT}) = \mathbf{XDOUT}[bits 0,1...62,63] \text{ XOR CDOUT}[bits 0,1,...62,63]
```

NOTE: In SS and AUC, the XMAC-S calculation is identical to MAC-S.

Step 5:

The test USIM calculates the re-synchronisation parameter **AUTS**:

```
AUTS[bits 0,1,..110,111] = SQN<sub>MS</sub> \oplus AK[bits 0,1,...46,47] || MAC-S[bits 0,1,...62, 63]
```

Where $\mathbf{SQN_{MS}} \oplus \mathbf{AK}[\text{bits } 0,1,\dots46,47] = \mathbf{SQN_{MS}}[\text{bits } 0,1,\dots46,47] \text{ XOR } \mathbf{AK}[\text{bits } 0,1,\dots46,47]$

8.1.2.3 Using the authentication test algorithm for UE conformance testing

8.1.2.3.1 Authentication accept case

The authentication accept case is illustrated in figure 8.1.2.3.1.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to 5) using an AMF value different from the AMF_{RESYNCH} value.

The SS sends an authentication request, including RAND and AUTN parameters, to the ME/USIM.

Based on the received RAND parameter the test USIM calculates the RES, CK IK and XMAC parameters according to clause 8.1.2.1 (step 1 to 4). The test USIM extracts the $SQN_{MS} = SQN_{SS}$, AMF and MAC parameters from the received authentication token AUTN.

The test USIM checks that XMAC = MAC and then return the RES, CK and IK parameters to the ME.

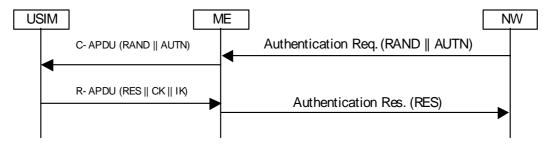


Figure 8.1.2.3.1: Network accepted by UE

8.1.2.3.2 MAC failure case

The MAC failure case is illustrated in figure 8.1.2.3.2.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to 5) using an AMF value different from the AMF_{RESYNCH} value and a MAC value different from what is calculated in clause 8.1.2.1 step 4.

The SS sends an authentication request, including RAND and AUTN parameters, to the ME/USIM.

Based on the received RAND parameter The test USIM calculates the RES, CK, IK and XMAC parameters according to clause 8.1.2.1 (step 1 to 4).

The test USIM extracts the $SQN_{MS} = SQN_{SS}$, AMF and MAC parameters from the received authentication token AUTN.

When the test USIM identifies that the calculated XMAC value is different from the MAC value received in AUTN then the USIM notifies the ME of the MAC failure and the ME sends an AUTENTICATION FAILURE message to the SS (cause "MAC failure").

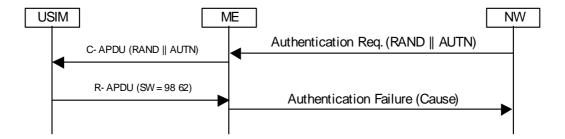


Figure 8.1.2.3.2: MAC failure cases

8.1.2.3.3 SQN failure case

The SQN failure case is illustrated in figure 8.1.2.3.3.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to 5) using an AMF value equal to AMF_{RESYNCH}.

The SS sends an authentication request, including RAND and AUTN parameters, to the UE/USIM.

The test USIM extracts the $SQN_{MS} = SQN_{SS}$, AMF and MAC parameters from the received authentication token AUTN.

When the test USIM identifies that the AMF field is equal to the AMF $_{RESYNCH}$ value it calculates the re-synchronisation parameter AUTS as specified in clause 8.1.2.2 (step 1 to 5) and forward it to the ME.

The ME sends an AUTHENTICATION FAILURE message to the SS including the AUTS parameter.

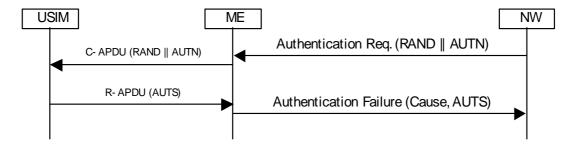


Figure 8.1.2.3.3: SQN failure case

8.2 Default Parameters for the test USIM

K:

The authentication key "K" will be chosen by the test house and will be non zero. The "K" value used by the SS will align with this value.

PIN Disabling:

The PIN enabled / disabled flag will be set to "PIN Disabled". This ensures that when the Test USIM is inserted into a UE the user will not be prompted for PIN entry.

8.3 Default settings for the Elementary Files (EFs)

The format and coding of elementary files of the USIM are defined in TS31.101 and TS31.102. The following clauses define the default parameters to be programmed into each elementary file. Some files may be updated by the UE based on information received from the SS. These are identified in the following clauses.

If EFs have an unassigned value, it may not be clear from the main text what this value should be. This clause suggests values in these cases.

8.3.1 Contents of the EFs at the MF level

8.3.1.1 EF_{DIR}

8.3.1.2 EF_{ICCID} (ICC Identity)

The programming of this EF is a test house option.

8.3.1.3 EF_{PL} (Preferred Languages)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.1.4 EF_{ARR} (Access rule reference)

The programming of this EF is a test house option.

8.3.2 Contents of files at the USIM ADF (Application DF) level

8.3.2.1 EF_{LI} (Language Indication)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.2 EF_{IMSI} (IMSI)

The IMSI value will be chosen by the test house. The IMSI used by the SS will align this value.

File size: 9 bytes

Default values: Byte 1 (DEC): 8

Bytes 2-9 (HEX):09 10 10 ** ** ** **

"*" indicates any number between 0 and 9 subject to the restriction that IMSI mod 1000 (i.e. bytes 7, 8 and 9) lies in one of the following ranges:

063-125, 189-251, 315-377, 441-503, 567-629, 693-755, 819-881 or 945-999

NOTE: This ensures that the UE can listen to the second CCCH when more than one basic physical channel is configured for the CCCH. This is necessary for the test of "paging re-organization".

8.3.2.3 EF_{Kevs} (Ciphering and Integrity Keys)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.4 EF_{KevsPS} (Ciphering and Integrity Keys for Packet Switched domain)

8.3.2.5 EF_{PLMNwAcT} (User controlled PLMN selector with Access Technology)

File size: 5n bytes

Default values (HEX): Bytes 1-3: 32 F4 10 (MCC, MNC) - Translates to 234, 01

Bytes 4-5: 80 00 (Access Technology) – Translates to UTRAN

Bytes 6-8: 32 F4 20 (MCC, MNC)

Bytes 9-10: 80 00 (Access Technology)

Bytes 11-13: 32 F4 30 (MCC, MNC)

....

....

Bytes(5n-4) - (5n-2): 32 F4 43 (MCC, MNC)

Bytes (5n-1) - 5n: 80 00 (Access Technology)

PLMNs are shown coded above since this is the largest number required for a test. It is necessary to take this into account since the USIM cards must be dimensioned to cope with this number of records.

8.3.2.6 EF_{HPLMN} (HPLMN search period)

File size: 1 byte

Default value (HEX): 00 (no HPLMN search attempts)

8.3.2.7 EF_{ACMmax} (ACM maximum value)

File size: 3 bytes

Default: Byte 1: 00

Byte 2: 00

Byte 3: 00

The above translates to: "Not valid".

8.3.2.8 EF_{UST} (USIM Service Table)

Services will be allocated and activated as follows:

Services		Activated
Service n°1 :	Local Phone Book	Option
Service n°2 :	Fixed Dialling Numbers (FDN)	Option
Service n°3:	Extension 2	Option
Service n°4 :	Service Dialling Numbers (SDN)	Option
Service n°5 :	Extension3	Option
Service n°6 :	Barred Dialling Numbers (BDN)	Option
Service n°7 :	Extension4	Option
Service n°8 :	Outgoing Call Information (OCI and OCT)	Option
Service n°9 :	Incoming Call Information (ICI and ICT)	Option
Service n°10:	Short Message Storage (SMS)	Yes
Service n°11:	Short Message Status Reports (SMSR)	Option
Service n°12:	Short Message Service Parameters (SMSP)	Yes
Service n°13:	Advice of Charge (AoC)	Yes
Service n°14:	Capability Configuration Parameters (CCP)	Yes
Service n°15:	Cell Broadcast Message Identifier	Yes
Service n°16:	Cell Broadcast Message Identifier Ranges	Yes
Service n°17:	Group Identifier Level 1	Option
Service n°18:	Group Identifier Level 2	Option
Service n°19:	Service Provider Name	Option
Service n°20:	User controlled PLMN selector with Access Technology	Yes
Service n°21:	MSISDN	Option
Service n°22:	Image (IMG)	Option
Service n°23:	Not used (reserved for SoLSA)	No
Service n°24:	Enhanced Multi-Level Precedence and Pre-emption Service	Option
Service n°25:	Automatic Answer for Emlpp	Option
Service n°26:	RFU	No
Service n°27:	GSM Access	Yes
Service n°28:	Data download via SMS-PP	Option
Service n°29:	Data download via SMS-CB	Option
Service n°30:	Call Control by USIM	Option
Service n°31:	MO-SMS Control by USIM	Option
Service n°32:	RUN AT COMMAND command	Option
Service n°33:	Packet Switched Domain	Yes
Service n°34:	Enabled Services Table	Yes
Service n°35:	APN Control List (ACL)	Option
Service n°36:	Depersonalisation Control Keys	Option
Service n°37:	Co-operative Network List	Option
Service n°38:	GSM security context	Yes
Service n°39:	CPBCCH Information	Yes
Service n°40:	Investigation Scan	Yes
Service n°41:	MExE	Option
Service n°42	Operator controlled PLMN selector with Access Technology	Yes
Service n°43	HPLMN selector with Access Technology	Yes

8.3.2.9 EF_{ACM} (Accumulated Call Meter)

File size: 3 bytes

Default: Byte 1: 00

Byte 2: 00

Byte 3: 00

The above translates to: "Not yet implemented".

8.3.2.10 EF_{GID1} (Group Identifier Level 1)

The programming of this EF is a test house option.

8.3.2.11 EF_{GID2} (Group Identifier Level 2)

The programming of this EF is a test house option.

8.3.2.12 EF_{SPN} (Service Provider Name)

The programming of this EF is a test house option.

8.3.2.13 EF_{PUCT} (Price per Unit and Currency Table)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.14 EF_{CBMI} (Cell Broadcast Message identifier selection)

The programming of this EF is a test house option.

The file size is 2n bytes, where n is the number of Cell broadcast message identifier records - each record defining a type of Cell Broadcast message which may be accessed by the UE. Care should be taken when dimensioning the USIM to take into account the number of Cell Broadcast message identifier records required.

8.3.2.15 EF_{ACC} (Access Control Class)

The EFACC can be selected by a test house in two types.

Type A;

File size: 2 Bytes

Default values (BIN): Byte 1: 000000**

Byte 2: *******

The test house may set any single bit shown by "*" to "1". All remaining bits of byte 2 will be set to "0". This determines the access control class of the USIM.

Type B;

Default values (BIN): Byte 1: 111110**

Byte 2: ******

The test house may set any single bit shown by "*" to "1". All remaining bits of byte 2 will be set to "0". This determines the access control class of the USIM.

8.3.2.16 EF_{FPLMN} (Forbidden PLMNs)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.17 EF_{LOCI} (Location Information)

File size: 11 Bytes

Default values: Bytes 1-4 (HEX): FF FF FF (TMSI)

Bytes 5-9 (HEX): 42 F6 18 FF FE (LAI)

Byte 10 (HEX): FF (RFU)

Byte 11 (BIN): 00000001 (Location Update Status = "not updated")

Bytes 5-9: LAI-MCC = 246 (bytes 5-6) and LAI-MNC = 81 (byte 7) are frequently used. The LAC (bytes 8-9) is set to "FF FE" since this, in conjunction with byte 11 setting of "01", is used to ensure that the UE performs a location update at the beginning of a test.

Bytes in this file (e.g. TMSI in bytes 1-4) may be updated as a result of a location update attempt by the UE.

8.3.2.18 EF_{AD} (Administrative Data)

File size: 4 bytes

Default values Byte 1: 10000000 - (type approval operations)

Byte 2: 000000000

Byte 3: 000000000

Byte 4: 00000010

8.3.2.19 Void

8.3.2.20 EF_{CBMID} (Cell Broadcast Message Identifier for Data Download)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.21 EF_{FCC} (Emergency Call Codes)

The programming of this EF is a test house option.

8.3.2.22 EF_{CBMIR} (Cell Broadcast Message Identifier Range selection)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.23 EF_{PSLOCI} (Packet Switched location information)

File size: 14 Bytes

Default values: Bytes 1-4 (HEX): FF FF FF (P-TMSI)

Bytes 5-7 (HEX): FF FF (P-TMSI signature value)

Bytes 8-13 (HEX): 42 F6 18 FF FE FF (RAI)

Byte 14 (BIN): 00000001 (Routing Area update status = "not updated")

Bytes 8-13: RAI-MCC = 246 (bytes 8-9) and RAI-MNC = 81 (byte 10) are frequently used. The LAC (bytes 11-12) is set to "FF FE" since this, in conjunction with byte 14 setting of "01", is used to ensure that the UE performs a location update at the beginning of a test.

Bytes in this file (e.g. P-TMSI in bytes 1-4) may be updated as a result of a location update attempt by the UE.

8.3.2.24 EF_{FDN} (Fixed Dialling Numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.25 EF_{SMS} (Short messages)

8.3.2.26 EF_{MSISDN} (MSISDN)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.27 EF_{SMSP} (Short message service parameters)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.28 EF_{SMSS} (SMS status)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.29 EF_{SDN} (Service Dialling Numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.30 $\mathsf{EF}_{\mathsf{FXT2}}$ (Extension2)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.31 EF_{EXT3} (Extension3)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.32 EF_{SMSR} (Short message status reports)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.33 EF_{ICI} (Incoming Call Information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.34 EF_{OCI} (Outgoing Call Information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.35 EF_{ICT} (Incoming Call Timer)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.36 EF_{OCT} (Outgoing Call Timer)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.37 EF_{EXT5} (Extension5)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.38 EF_{CCP2} (Capability Configuration Parameters 2)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.39 EF_{eMLPP} (enhanced Multi Level Precedence and Pre-emption)

The programming of this EF is a test house option.

8.3.2.40 EF_{AAeM} (Automatic Answer for eMLPP Service)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.41 EF_{GMSI} (Group Identity)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.2.42 EF_{Hiddenkev} (Key for hidden phone book entries)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.43 Void

8.3.2.44 EF_{BDN} (Barred dialling numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.45 EF_{EXT4} (Extension 4)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.46 EF_{CMI} (Comparison method information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.47 EF_{EST} (Enabled service table)

The programming of this EF is a test house option.

8.3.2.48 EF_{ACI} (Access point name control list)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.49 EF_{DCK} (Depersonalisation control keys)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.50 EF_{CNL} (Co-operative network list)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.51 EF_{START-HFN} (Initialisation values for Hyperframe number)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.52 EF_{THRESHOLD} (Maximum value of START)

The programming of this EF is a test house option.

8.3.2.53 EF_{OPLMNsel} (OPLMN selector)

8.3.2.54 EF_{PHPLMNAT} (Preferred HPLMN Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.55 EF_{ARR} (Access rule reference)

The programming of this EF is a test house option.

8.3.2.56 EF_{RPLMNACT} (RPLMN Last used Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.57 EF_{NETPAR} (Network Parameters)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3 Contents of DFs at the USIM ADF (Application DF) level

8.3.3.1 Contents of files at the USIM SoLSA level

8.3.3.1.1 EF_{SAI} (SoLSA Access Indicator)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.2 EF_{SLL} (SoLSA LSA List)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.3 LSA Descriptor files

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.4 Contents of files at the MExE level

8.3.3.1.4.1 EF_{MExE-ST} (MExE Service table)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.2 EF_{ORPK} (Operator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.3 EF_{ARPK} (Administrator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.4 EF_{TPRPK} (Third Party Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.5 EF_{TKCDF} (Trusted Key/Certificates Data Files)

8.3.3.2 Contents of files at the DF PHONEBOOK level

8.3.3.2.1 EF_{PBR} (Phone Book Reference file)

The programming of this EF is a test house option.

8.3.3.2.2 EF_{IAP} (Index Administration Phone book)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.3 EF_{ADN} (Abbreviated dialling numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.4 EF_{EXT1} (Extension1)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.5 EF_{PBC} (Phone Book Control)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.6 EF_{GRP} (Grouping file)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.7 EF_{AAS} (Additional number Alpha String)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.8 EF_{GAS} (Grouping information Alpha String)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.9 EF_{ANR} (Additional Number)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.10 EF_{SNE} (Second Name Entry)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.11 EF_{CCP1} (Capability Configuration Parameters 1)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.12 Phone Book Synchronisation

8.3.3.2.12.1 EF_{UID} (Unique Identifier)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.12.2 EF_{PSC} (Phone book Synchronisation Counter)

8.3.3.2.12.3 EF_{CC} (Change Counter)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.12.4 EF_{PUID} (Previous Unique Identifier)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.13 EF_{EMAIL} (e-mail address)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.3 Contents of files at the DF GSM level (Files required for GSM Access)

8.3.3.3.1 EF_{Kc} (GSM Ciphering key Kc)

File size: 9 Bytes

Default values (HEX): Bytes 1-8: Align with Kc used by SS

Byte 9: 07

Byte 9 is set to 07 to indicate that there is no key available at the start of a test.

The bytes within this elementary file may be updated by the UE as a result of a successful authentication attempt.

8.3.3.3.2 EF_{KcGPRS} (GPRS Ciphering key KcGPRS)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.3.3 Void

8.3.3.3.4 EF_{CPBCCH} (CPBCCH Information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.5 EF_{InvScan} (Investigation Scan)

The programming of this EF follows default parameter.

8.3.4 Contents of EFs at the TELECOM level

8.3.4.1 EF_{ADN} (Abbreviated dialling numbers)

The programming of this EF is a test house option. It should be noted that sufficient space should be provided on the USIM card for 101 records.

8.3.4.2 EF_{EXT1} (Extension1)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.4.3 EF_{ECCP} (Extended Capability Configuration Parameter)

The programming of this EF is a test house option.

8.3.4.4 EF_{SUME} (SetUpMenu Elements)

The programming of this EF is a test house option.

8.3.4.5 EF_{ARR} (Access rule reference)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.5 Contents of DFs at the TELECOM level

8.3.5.1 Contents of files at the DF_{GRAPHICS} level

8.3.5.1.1 EF_{IMG} (Image)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.5.1.2 Image Instance Data Files

8.3.5.2 Contents of files at the DF_{PHONEBOOK} under the DF_{TELECOM}

The programming of this EF is a test house option.

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

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

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

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

Default SYSTEM INFORMATION:

NOTE:

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

Contents of ACTIVE SET UPDATE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects one integer between 0 to 3
Integrity check info	The 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.
Activation time	now
New U-RNTI	Not Present
CN information info	Not Present

Information Element	Value/remark
Maximum allowed UL TX power	Not Present – use default value
Radio link addition information	Not Present
Radio link removal information	Not Present
TX Diversity Mode	None
SSDT information	Not Present

Contents of ACTIVE SET UPDATE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.

Contents of ACTIVE SET UPDATE FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Refer to test requirement

Contents of CELL UPDATE message: TM

Information Element	Value/remark
Message Type	
U-RNTI	Checked to see if it is set to the following values
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Checked to see if it is absent
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
START List	Checked to see if the 'CN domain identity' and 'START'
	IEs are present for all CN domains supported by the UE
- CN domain identity	Checked to see if it is one of the supported CN domains
- START	Checked to see if it is present
AM_RLC error indication (RB2, RB3 or RB4)	Checked to see if it is set to 'FALSE'
AM_RLC error indication (RB>4)	Checked to see if it is set to 'FALSE'
Cell update cause	See the test content
Failure cause	Checked to see if it is absent
RB timer indicator	
- T314 expired	Checked to see if it is set to 'FALSE'
- T315 expired	Checked to see if it is set to 'FALSE'
Measured results on RACH	Not checked

Contents of CELL UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
U-RNTĬ	If this message is sent on CCCH, use the following
	values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Selects an arbitrary integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
 RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	Not Present – use default value
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_FACH
UTRAN DRX cycle length coefficient	Not Present
RLC re-establish indicator (RB2, RB3 and RB4)	FALSE
RLC re-establish indicator (RB5 and upwards)	FALSE
CN information info	Not Present
URA identity	0000 0000 0001B
RB information to release list	Not Present
RB information to reconfigure list	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information common for all	Not Present
transport channels	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list CHOICE Mode	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH	Not Present
information for DRAC list	Not Flesent
DL Transport channel information common for all	Not Present
transport channels	Not i lesent
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Not Present
CHOICE mode	FDD
- Downlink PDSCH information	Not Present
Downlink information common for all radio links	Not Present
Downlink information per radio link list	Not Present
20 mmm information por radio link liot	11011 100011

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements in
	TS 34.123-2. If integrity protection is indicated to be active,
	this IE is present with the values of the sub IEs as stated
	below. Else, this IE and the sub-IEs are omitted.
 Message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
CN domain identity	CS domain or PS domain
NAS message	See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

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

Contents of MEASUREMENT CONTROL message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements
3 7 3 3	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
Woodago admontication code	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Measurement Identity	1
Measurement Command	Setup
Measurement Reporting Mode	Getup
- Measurement Report Transfer Mode	Acknowledged mode RLC
Periodical Reporting/Event Trigger Reporting	Periodical reporting
Mode	T effourcal reporting
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	
- Intra-frequency cell info list	Not propert
- CHOICE intra-frequency cell removal	Not present
- New intra-frequency cell	4
- Intra-frequency cell-id	1
- Cell info	a ID
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN number	FALSE
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Different from the Default setting in TS34.108 clause 6.1
	(FDD)
- Primary CPICH Tx power	Not Present
- TX Diversity indicator	FALSE
- Cells for measurement	Not present
 Intra-frequency measurement quantity 	Not Present
 Intra-frequency reporting quantity 	
 Reporting quantities for active set cells 	
 SFN-SFN observed time difference reporting 	No report
indicator	
 Cell synchronisation information reporting 	FALSE
indicator	
 Cell Identity reporting indicator 	TRUE
 CPICH Ec/N0 reporting indicator 	FALSE
 CPICH RSCP reporting indicator 	TRUE
 Pathloss reporting indicator 	FALSE
 Reporting quantities for monitored set cells 	
 SFN-SFN observed time difference reporting 	No report
indicator	
 Cell synchronisation information reporting 	FALSE
indicator	
 Cell Identity reporting indicator 	TRUE
 CPICH Ec/N0 reporting indicator 	FALSE
- CPICH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Reporting cell status	
- CHOICE reported cell	Report cell within active set and/or monitored cells on
	used frequency
- Maximum number of reported cells	2
- Measurement validity	Not Present
- CHOICE report criteria	Periodic reporting criteria
- Amount of reporting	Infinity
- Reporting interval	64 sec
DPCH Compressed mode status info	Not Present
Dr. Gr. Compressed mode status into	1101 1 1000111

Contents of MEASUREMENT CONTROL FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it's set to the identical value for the same IE in the downlink MEASUREMENT CONTROL
	message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	See the test content

Contents of MEASUREMENT REPORT message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Measurement identity	1
Measured Results	
 Intra-frequency measured results 	
- Cell measured results	
- Cell Identity	Not present
- SFN-SFN observed time difference	Checked that this IE is absent
- Cell synchronisation information - Primary CPICH info	Checked that this IE is absent
- Primary scrambling code	Different from the Default setting in TS34.108 clause 6.1 (FDD)
- CPICH Ec/N0	Checked that this IE is absent
- CPICH RSCP	Checked that this IE is present
- Pathloss	Checked that this IE is absent
Measured results on RACH	Checked that this IE is absent
Additional measured results	Checked that this IE is absent
Event results	Checked that this IE is absent

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

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

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

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

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

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

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

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

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

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

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

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Paging cause	Terminating Conversational Call
CN domain identity	CS domain
Paging record type identifier	Select the same type as in the IE "Initial UE Identity" in
	RRC CONNECTION REQUEST" message.

Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
DDC transaction identifies	A4, A5, A6	Arbitrarily adjects on integral between 0 and 2
RRC transaction identifier Integrity check info		Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT
Integrity check into		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		with the values of the sub IEs as stated
		below. Else, this IE and the sub-IEs are
		omitted.
- 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
Integrity protection made info		internal counter. Not Present
Integrity protection mode info Ciphering mode info		Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
, touvalien lime	A4	(2001-0111 (01111-110-011-0))111-05-200
Activation time	A5, A6	Not Present
New U-RNTI	·	Not Present
New C-RNTI	A1, A2, A3,	Not Present
N. O. DNIT!	A4	14040 4040 4040 1010
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
RRC State indicator	A1, A2, A3,	CELL_DCH
	A4	
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
CN information info	A4, A5, A6	Not Present
URA identity		Not Present
Downlink counter synchronisation info		Not Present
Frequency info		THE TREE THE STATE OF THE STATE
- 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	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3, A4	Uplink DPCH info
- Uplink DPCH power control info	Α-τ	
- 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 - Number of DPDCH		0 (0 to 16777215) Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10
- spreading racion		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10
- Puncturing Limit		Parameter Set Reference to TS34.108 clause 6.10
- Puncturing Limit		Parameter Set
CHOICE Mode	A1, A2, A3,	FDD
	A4, A5, A6	
- Downlink PDSCH information	A4 AC AC	Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	A1, A2, A3	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode	<u> </u>	0 (single)

Information Element	Condition	Value/remark
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
Opicading racion		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
- Fixed of Flexible Fosition		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
- TFGI existence		Parameter Set
CHOICE SE		Reference to TS34.108 clause 6.10
- CHOICE SF		
DDOIL I I I I		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10
OFFICIOL OF		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		
- Delault DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Develor information common for all varieties	A.F. A.C.	Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information for each radio links	A1,	
	A2,A3,A4	500
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- CHOICE mode		FDD
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value
		mod 38400
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		5
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH	Δ.	Not Present
- Downlink information for each radio link	A5	FDD
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause

Information Element	Condition	Value/remark
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

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

Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it's set to identical value of the same IE in the downlink PHYSICAL CHANNEL RECONFIGURATION message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info CHOICE mode	Not checked FDD
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The PHYSICAL CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The PHYSICAL CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Not checked Not checked

Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink PHYSICAL CHANNEL
	RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in
	TS 34.123-2. if integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present.
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup - RAB info	
- RAB into - RAB identity	0000 0001B
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	0301014
- RB identity	10
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
 Information for each multiplexing option 	
 RLC logical channel mapping indicator 	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
Downlink RLC logical channel info Number of downlink RLC logical channels	1
Normber of downlink RLC logical channels Downlink transport channel type	DCH
- 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
- CHÖICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
 Information for each multiplexing option 	
 RLC logical channel mapping indicator 	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	2

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

Information Element

- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Uplink transport channel type
- UL Transport channel identity
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Uplink transport channel type
- UL Transport channel identity
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Uplink transport channel type
- UL Transport channel identity
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks - Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list - Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size

Value/remark

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH

2

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Value/remark
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
Added or Reconfigured DL TrCH information	DCH
Downlink transport channel type DL Transport channel identity	DCH 6
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	1
- DCH quality target	
- BLER Quality value	-2.0
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
 Uplink transport channel type 	DCH
- UL TrCH identity	2
- DCH quality target	
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
- Uplink transport channel type - UL TrCH identity	DCH 3
- DCH quality target	3
- BLER Quality value	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	
- BLER Quality value	-2.0
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
Uplink DPCH power control info DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode - Downlink PDSCH information	FDD Not Present
Downlink PDSCH Illionnation Downlink information common for all radio links	Not Fresent
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P _{Pilot-DPDCH}	0
- DL rate matching restriction information	Not Present

Information Element	Value/remark
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
 DPCH compressed mode info 	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
 Downlink information for each radio link 	
- Choice mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
 Downlink DPCH info for each RL 	
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	0 chips
- Secondary CPICH info	Not Present
- DL channelisation code	
 Secondary scrambling code 	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
- Scrambling code change	No change
- TPC combination index	0
- SSDT Cell Identity	Not Present
 Closed loop timing adjustment mode 	Not Present
- SCCPCH information for FACH	Not Present

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

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
 RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient CN information info	Not Present
	Not Present
URA identity Signalling RB information to setup	Not Present Not Present
RAB information for setup	I TOUT I GOGIIL
- RAB info	
- RAB identity	0000 0101B
- CN domain identity	PS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT315
- RB information to setup	655.6.6
- RB identity	20
- PDCP info	
- Support for lossless SRNS relocation	FALSE
- Max PDCP SN window size	Not present
- PDCP PDU header	Absent
 Header compression information 	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
Polling infoTimer_poll_prohibit	200
- Timer_poll - Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
 Downlink RLC status info 	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDM w.Ordings
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
 UL Transport channel identity Logical channel identity 	Not Present
- LUUIUAI UHAHIIEH IUEHIIIV	1101 1030 1

Information Element	Value/remark
- CHOICE RLC size list	Configured
- MAC logical channel priority	8
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1 RACH
 Uplink transport channel type UL Transport channel identity 	Not Present
- OE Transport channel identity - Logical channel identity	7
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	8
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7
RB information to be affected list	Not Present Not Present
Downlink counter synchronisation info UL Transport channel information for all transport	Not Present
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
- CTPC IIIIOIIIIatiioii	TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	Troforono to 100 m to diadeo of to.2.111 diameter cor
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled
	Gain Factors)
- Gain factor βc	11 (below 64 kbps)
	9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain
Cain factor Od	Factors)
- Gain factor βd	15 (Not Present if the above is set to Computed Gain
	Factors)
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset P p-m	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	1 DCH added, 1 DCH reconfigured
 Added or Reconfigured UL TrCH information 	
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Dedicated transport channels
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set

Information Element Value/remark Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate - 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 - 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 Reference to TS34.108 clause 6.10 Parameter Set - Transmission Time Interval - Number of Transport blocks (This IE is repeated for TFI number.) - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.10 Parameter Set - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set - CRC size Reference to TS34.108 clause 6.10 Parameter Set FDD CHOICE mode - CPCH set ID Not Present - Added or Reconfigured TrCH information for Not Present **DRAC** list DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode FDD - CHOICE DL parameters **Explicit** - DL DCH TFCS - CHOICE TFCI signalling Normal - TFCI Field 1 information - CHOICE TFCS representation Complete reconfiguration - TFCS complete reconfigure - CHOICE CTFC Size - CTFC information This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 - CTFC Reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Not present Deleted TrCH information list Not Present Added or Reconfigured TrCH information list - Added or Reconfigured DL TrCH information - Downlink transport channel type DCH - DL Transport channel identity - CHOICE DL parameters **Explicit** - 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

- Coding Rate

- Rate matching attribute

- CRC size

- DCH quality target

- BLER Quality value

- Downlink transport channel type

- DL Transport channel identity

- CHOICE DL parameters

- Uplink transport channel type

- UL TrCH identity

- DCH quality target

-2.0 DCH 10

Same as UL

Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

DCH

5

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

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A4, A5,	
DDC transaction identifier	A6, A7, A8	Arbitrarily salasts on interest between 0 and 2
RRC transaction identifier Integrity check info		Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT
Integrity check into		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
Trive mossage sequence number		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A4, A7,	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A8 A5, A6	Not Present
New U-RNTI	A5, A6	Not Present
New C-RNTI	A1, A4, A7,	Not Present
	A8	
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A4, A5,	Not Present
RRC State indicator	A6, A7, A8	CELL DOLL
RRC State Indicator	A1, A4,A7,A8	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A4, A5,	Not Present
	A6,A7,A8	
CN information info		Not Present Not Present
URA identity Signalling RB information to setup		Not Present
RAB information for setup	A1,A7	Not i resent
- RAB info	,	
- RAB identity		0000 0001B
- CN domain identity		CS domain
- NAS Synchronization Indicator - Re-establishment timer		Not Present useT314
- IVe-establishment timel		usersia
- RB information to setup		
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard		TM RLC Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
- Information for each multiplexing option		Not Propert
 RLC logical channel mapping indicator Number of uplink RLC logical channels 		Not Present
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		7
Downlink RLC logical channel info Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity	4.0	Not Present
RAB information for setup - RAB info	A8	
י ווחוט	<u> </u>	

Information Element	Condition		Value/remark
- RAB identity		0000 0001B	
- CN domain identity		CS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		10	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
 Segmentation indication 		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
 Segmentation indication 		FALSE	
- RB mapping info			
 Information for each multiplexing option 			
- RLC logical channel mapping indicator		Not Present	
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		6	
- Downlink RLC logical channel info		1	
 Number of downlink RLC logical channels Downlink transport channel type 		1 DCH	
- DOWNINK transport channel type - DL DCH Transport channel identity		DCH 6	
- DL DSCH Transport channel identity - DL DSCH Transport channel identity		Not Present	
- Logical channel identity		Not Present	
- RB identity		11	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
- RB mapping info			
- Information for each multiplexing option			
- RLC logical channel mapping indicator		Not Present	
 Number of uplink RLC logical channels 		1	
 Uplink transport channel type 		DCH	
 UL Transport channel identity 		2	
 Logical channel identity 		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		6	
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels		1	
- Downlink transport channel type		DCH	
- DL DCH Transport channel identity		7	
- DL DSCH Transport channel identity		Not Present	
- Logical channel identity		Not Present	
- RB identity		12	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC FALSE	
- Segmentation indication		FALSE	
 RB mapping info Information for each multiplexing option 			
RLC logical channel mapping indicator		Not Present	
Number of uplink RLC logical channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		3	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
	1		

- MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink transport channel spee - DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RAB information for setup - RAB infor - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP linfo - Support for lossless SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Poll_Nindows - Timer_poll_prelocid - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Timer_status_prohibit - Timer_poll_prohibit - Timer_status_prohibit - Timer_status_prohibi	Information Element	Condition	Value/remark
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 PAB information for setup RAB sidentity CN domain identity NAS Synchronization Indicator Re-establishment timer RB information to setup RB identity PDCP info Support for lossless SRNS relocation Max PDCP SN window size PDCP PDU header PDCP PDU header PDCP PDU header CHOICE Uplink RLC mode Transmission RLC discard CHOICE Uplink RLC mode AMAX_DAT Transmission window size Timer_RST Max_RST Polling info Timer_poll prohibit Timer_poll Poll_PDU Poll_SDU Last transmission PDU poll Last retransmission PDU poll Last retransmission PDU poll Poll_Windows Timer_poll periodic PHOICE Downlink RLC mode Pholl Windows Timer_poll periodic RCH Glocal Channel show type Receiving window size Timer_STATUS_periodic RR mapping info Not Present TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE			6
- Downlink transport channel type - DL DCH Transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - RAB information for setup - RAB information for setup - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - RB identity - RB identity - PDCP into - Support for lossess SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE Uplink RLC mode - Transmission window size - Timer, RST - Polling info - Poll, PDU - Poll, PDU - Poll, PDU - Poll, SDU - Last transmission PDU poll - Last retransmission PDU poll - Last retransmission PDU poll - Poll, Windows - Timer, poll periodic - CHOICE Downlink RLC mode - Insequence delivery - Receiving window size - Downlink RLC status info - Timer_ FST TUS_ periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of downlink RLC logical channels - Uplink transport channel type - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC log	- Downlink RLC logical channel info		
- DL DCH Transport channel identity - DL DSCH Transport channel identity - Logical channel identity - RAB information for setup - RAB info - RAB information for setup - RAB information for setup - RAB information in control in the			
- DL DSCH Transport channel identity - Logical channel identity - RAB information for setup - RAB information for setup - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - Support for lossless SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE RLC info type - CHOICE SUb information - CHOICE SUD discard mode - MAX DAT - Transmission window size - Timer, RST - Polling info - Timer poll, prohibit - Timer poll - Poll SDU - Last transmission PDU poll - Poll SDU - Last transmission PDU poll - Poll Windows - Timer, poll, periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer, status_ prohibit - Timer, EST - Musing PDU indicator - Timer, status_ prohibit - Timer, EST - Musing PDU indicator - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel type - UL Transport channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC logical channel info - Number of downlink RLC logical channels - Downlink RLC			DCH
- Logical channel identity			8
RAB Information for setup RAB information for setup RAB identity CN domain identity NAS Synchronization Indicator Re-establishment timer RB information to setup RB identity PDCP info Support for lossless SRNS relocation Max PDCP SN window size PDCP PDU header Header compression information CHOICE RLC info type CHOICE Uplink RLC mode Transmission RLC discard CHOICE SDU discard mode MAX_DAT Transmission window size Timer_RST AMX_RST Polling info Timer_poll_prohibit Timer_poll PDI POIL SDU Last transmission PDU poll Last transmission PDU poll Last trensmission PDU poll Last trensmission PDU poll Last trensmission PDU poll CHOICE Downlink RLC mode In-sequence delivery Receiving window size Downlink RLC status info Timer_status_prohibit Timer_EPC Missing PDU indicator Timer_status_prohibit Timer_EPC Missing PDU indicator Information for each multiplexing option Information for each multiplexing option RLC logical channel mapping indicator Not Present Thus RDCH RDCH RDCH RDCH RDCH RDCH RDCH RDCH			Not Present
- RAB info - RAB identity - CN domain identity - NAS Synchronization Indicator - Re-establishment timer - RB information to setup - RB identity - PDCP info - RB identity - PDCP info - Support for lossless SRNS relocation - Max PDCP SN window size - PDCP PDU header - Header compression information - CHOICE RLC info type - CHOICE Uplink RLC mode - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission RLC discard - CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Polling info - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Last transmission PDU poll - Last transmission PDU poll - Last trefransmission PDU poll - Last trefransmission PDU poll - Poll_SDU - Insequence delivery - Receiving window size - Downlink RLC status info - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_status_prohib			Not Present
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- DL DSCH Transport channel identity Not Present			
- Logical channel identity Not Present			
- RLC logical channel mapping indicator Not Present			
- Number of uplink RLC logical channels			
- Uplink transport channel type RACH			1 · ·
- UL Transport channel identity Not Present			
- Logical channel identity 7			
- CHOICE RLC size list Explicit list			
- RLC size index Reference to TS34.108 clause 6 Parameter			

Information Element	Condition	Value/remark
		Set
- MAC logical channel priority		8
Downlink RLC logical channel info Number of downlink RLC logical channels		1
- Downlink transport channel type		FACH
- DL DCH Transport channel identity		Not Present
- DL DSCH Transport channel identity		Not Present
- Logical channel identity	A4 A4 A5	7
RB information to be affected	A1, A4, A5, A6,A7,A8	Not Present
Downlink counter synchronisation info	A0,A7,A0 A1, A4, A5,	Not Present
•	A6,A7,A8	
UL Transport channel information for all transport	A1,A4,A5,	
channels - PRACH TFCS	A6,A7,A8	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		Complete reconliguration
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from TS34.108
CTEC information		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information		Computed Coin Fosters/The last TEO is act to
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
· ·		9 (higher than 64 kbps) (Not Present if the
		CHOICE Gain Factors is set to Computed
- Gain factor βd		Gain Factors)
Gain factor pu		(Not Present if the CHOICE Gain Factors is set
		to Computed Gain Factors)
- Reference TFC ID		0
- CHOICE mode		FDD Not Propert
- Power offset P p-m Deleted UL TrCH information	A1, A4, A5,	Not Present Not Present
50.000 02 HOTE III OHI GUIDI	A6,A7,A8	1.3.7 Toolik
Added or Reconfigured UL TrCH information	A1	1 DCH added, 1 DCH reconfigured
- Uplink transport channel type		DCH
- UL Transport channel identity - TFS		1
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		·
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
- Number of TBs and TTI List		Set (This IE is repeated for TEI number.)
- Number of TBs and TTT List - Transmission Time Interval		(This IE is repeated for TFI number.) 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
- Hansinission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
On diam Date		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set

Information Element	Condition	Value/remark
- CRC size		Reference to TS34.108 clause 6.10 Parameter
Halia tanan an ant ah ann al tana		Set
 Uplink transport channel type UL Transport channel identity 		DCH 5
- OE Transport channel identity		
- 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 - Number of Transport blocks		Not Present Reference to TS34.108 clause 6.10 Parameter
Trainipor of Trainiport Blocks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		D (T004 400 L
- 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
Added or Reconfigured UL TrCH information	A4,A5,A6,	2 TrCHs(DCH for DCCH and DCH for DTCH)
-	A7	
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		De diseased transport about als
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
TALO GILO		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
- CHOICE Logical Channel list		Set All
- Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set 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		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Defended to T004 400 1 0 40 D
- 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		Defended to TOO4 400 elevies 0.40 D
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
.,,,: -::::::::::::::::::::::::::::::		Set

Information Element	Condition	Value/remark
- Coding Rate	22	Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter Set
Added or Reconfigured UL TrCH information	A8	4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
- Uplink transport channel type - UL Transport channel identity - TFS		DCH 5
- CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size - Number of TBs and TTI List		Reference to TS34.108 clause 6.10 Parameter Set
- Transmission Time Interval - Number of Transport blocks		(This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter
- CHOICE Logical Channel list		Set All
- Semi-static Transport Format information - Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set 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 - UL Transport channel identity - TFS		DCH 1
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size		Dedicated transport channels Reference to TS34.108 clause 6.10 Parameter
- Number of TBs and TTI List		Set (This IE is repeated for TFI number.)
- Transmission Time Interval- Number of Transport blocks		Not Present Reference to TS34.108 clause 6.10 Parameter
- CHOICE Logical Channel list - Semi-static Transport Format information		Set All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate - Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute - CRC size		Set Reference to TS34.108 clause 6.10 Parameter Reference to TS34.108 clause 6.10 Parameter
- Uplink transport channel type		Set DCH
- UL Transport channel identity - TFS		2
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size		Dedicated transport channels Perference to TS24 108 clause 6 10 Perameter
- RLC Size - Number of TBs and TTI List		Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)
- Transmission Time Interval - Number of Transport blocks		Not Present Reference to TS34.108 clause 6.10 Parameter
- CHOICE Logical Channel list - Semi-static Transport Format information		Set All

Information Element	Condition	Value/remark
- Transmission time interval	- Condition	Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set 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 UL Transport channel identity		DCH 3
- TFS - CHOICE Transport channel type - Dynamic Transport format information		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List Transmission Time Interval		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list - Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- 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	A1, A4, A5, A6,A7,A8	FDD
- CPCH set ID	, , -	Not Present
- Added or Reconfigured TrCH information for DRAC list		Not Present
Information of DRAC list		
DL Transport channel information common for all	A1,A7,A8	
transport channel - SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		SameasUL
DL Transport channel information common for all transport channel	A4,A5,A6	
- 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 - TFCS complete reconfigure		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from clause
		TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	1	Not Present
Deleted DL TrCH information	A1, A4, A5, A6,A7,A8	Not Present
Added or Reconfigured DL TrCH information	A1	1 DCH added, 1 DCH reconfigured
- Downlink transport channel type		DCH
- DL Transport channel identity		6

Information Element	Condition	Value/remark
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		1
- DCH quality target - BLER Quality value		2.0
- BLER Quality value - Downlink transport channel type		-2.0 DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value	A 4 A 5 A C	-2.0
Added or Reconfigured DL TrCH information	A4,A5,A6, A7	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type	/	DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		-2.0 DCH
Downlink transport channel type DL Transport channel identity		DCH 6
- CHOICE DL parameters		Explicit
- TFS		
- CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channel
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
N. J. (TD. LTTLL)		Set
Number of TBs and TTI List Dynamic transport format information		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
Transport Stocks		Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
T ()		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
Poto motohing attribute		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
DCH quality torque		Set
- DCH quality target - BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A8	4 TrCHs(DCH for DCCH and 3DCHs for
Added of Neconinguled DE Horrimonnation	70	DTCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		Not Droppet
BLER Quality value Downlink transport channel type		Not Present DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		·
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		Deference to TCO4 400 slaves 0 40 Dec
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		
- Transmission Time Interval		Not Present

Information Element	Condition	Value/remark
- Number of Transport blocks	00	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
000 :		Set Tool (100)
- CRC size		Reference to TS34.108 clause 6.10 Parameter
DOLL quality target		Set
- DCH quality target		-2.0
 BLER Quality value Downlink transport channel type 		DCH
		7
- DL Transport channel identity		-
- CHOICE DL parameters - TFS		Explicit
- CHOICE Transport channel type		Dedicated transport channel
Dynamic transport format information		Dedicated transport challile
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
- INLO OIZO		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		(This is is repeated for 11 i fluitibet.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
radination of transport blooks		Set
- Semi-static Transport Format information		CCI
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Type of charmer county		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
3		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
G		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		Not Present
 Downlink transport channel type 		DCH
 DL Transport channel identity 		8
- CHOICE DL parameters		Explicit
- TFS		
 CHOICE Transport channel type 		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		N · B
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
Openit Master To the Secretary Control of		Set
- Semi-static Transport Format information		D-f
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
Time of shaperal as the s		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Coding Pate		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
- Nate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
0110 0120		Set
- DCH quality target		
- BLER Quality value		Not Present
and the second of the second o	_1L	

Information Element	Condition	Value/remark
Frequency info	A1, A4, A5,	varao, o mant
	A6	
- UARFON uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd) Maximum allowed UL TX power	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Reference to clause 5.1 Test frequencies 33dBm
Maximum allowed OL 1X power	A1, A4, A7, A8	33dBm
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement	A1, A4, A7,	Uplink DPCH info
Haliah DDOH a susan santashiata	A8	
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 - Scrambling code number		Long 0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
T-01		Set Tagat too I a to F
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
Trumbor of 1 Br bit		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE channel requirement CHOICE Mode	A5,A6	Not Present
CHOICE Mode	A1, A4, A5, A6,A7,A8	FDD
- Downlink PDSCH information	710,717,710	Not Present
Downlink information common for all radio links	A1	
- Downlink DPCH info common for all RL		
- Timing indicator - CFN-targetSFN frame offset		Maintain Not Present
- Downlink DPCH power control information		Not i lesent
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0 Net Bresset
 DL rate matching restriction information Spreading factor 		Not Present Reference to TS34.108 clause 6.10 Parameter
Oproduing tactor		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
TEOL : .		Set Day 1 Too 1 100 Day 1
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE mode		FDD
- DPCH compressed mode info		Not Present None
- TX Diversity mode - SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4,A7,A8	
- Downlink DPCH info common for all RL		Initialia
- Timing indicator - CFN-targetSFN frame offset		Initialise Not Present
- Downlink DPCH power control information		Not i resent
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0 Not Brosent
 DL rate matching restriction information Spreading factor 		Not Present Reference to TS34.108 clause 6.10 Parameter
Opicading lactor		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
TEOL seints		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
	1	

- CHOICE SF - CHOICE mode - DPCH compressed mode into - TX Diversity mode - SSDT information - Demail to PCH offset Value - Pomary CPICH info - PDSCH outbrailer of sear RL - Primary CPICH info - Decentination for each radio link ist - Downlink information for each radio link - Choice mode - Primary CPICH info - PDSCH outbrailer of sear RL - Primary CPICH info - DCH offset value - Secondary Stambling code - Primary Stambling code - Primary Stambling code - Primary CPICH info - DL channelisation for each radio link - Downlink information for each radio link - Downlin	Information Element	Condition	Value/remark
- CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Detaut ID-PCH Offset Value - Downlink Information for ach radio link Ist - Downlink Information for each radio link - Primary Scrambling code - Primary Scrambling code - Primary CPICH Info - DDW Downlink Information for each radio link - Primary CPICH Info - PPSCH with SHO DCH Info - DPSCH code mapping - Downlink Information for each radio link - PPSCH with SHO DCH Info - PPSCH with SHO DCH Info - DDCH frame offset - Secondary CPICH Info - DL channelisation code - Secondary Scrambling code - Primary Scrambling co		Condition	
- CHOICE mode - DPCH compressed mode into - TX Diversity mode - SSDT information - Default DPCH Offset Value - Downlink information common for all radio links - Choice mode - Primary CPICH info - Pimary Scrambling code - Secondary CPICH info - De. Channelisation code - Secondary CPICH info - De. Channelisation index - Secondary Secondary scrambling code - Secondary CPICH info - Pimary scrambling code - Secondary CPICH info - De. Channelisation code - Secondary Secondary scrambling code - Secondary Sec	- OHOIOL SI		
- DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information common for all radio links - Downlink information for each radio link list - Pimary CPICH info - Pimary Scrambling code - Pimary CPICH info - DD Channelisation code - Secondary CPICH info - DL channelisation code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - Pimary CPICH info - Downlink information for each radio link list - Secondary CPICH info - Downlink information for each radio link list - Secondary CPICH info - Downlink information for each radio link list - Secondary CPICH info - Downlink information for each radio link list - Secondary CPICH info - Downlink information index - Secondary CPICH info - Secondary CPICH info - Secondary CPICH info - Seco	- CHOICE mode		
- TX Diversity mode - SSDT information - Default DPCH Offset Value - Downlink information common for all radio links - Choice mode - Primary CPICH info - Primary Scrambling code - PDSCH with SHO DCH info - Duverlink information for each radio link - Choice mode - Primary Scrambling code - PDSCH ode mapping - Downlink information for each RL - Primary CPICH use - Primary Scrambling code - Secondary CPICH info - Duverlink information for each RL - Primary CPICH uses - Secondary CPICH info - Duverlink information for each RL - Primary CPICH uses - Secondary Scrambling code - Secondary Scrambling code - Secondary Scrambling code - SCPCH information for each radio link - Choice mode - Primary Scrambling code - Primary CPICH info - PDSCH with SHO DCH info - PDSCH code mapping - Downlink information for each radio link - Choice mode - Primary Scrambling code - Primary CPICH info - Description of Secondary Scrambling code - Primary Scrambling code - Primary Scrambling code - Primary Scrambling code - Secondary Scrambling code - Score Ministrian index - Score Ministri			
- SSDT information - Default DPCH Offset Value Downlink information common for all radio links - Downlink information for each radio link ISI - Primary CPICH linfo - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - Primary CPICH usage for channel estimation - DPCH Iframe offset - Secondary Scrambling code - Primary CPICH info - Primary Scrambling code - Primary CPICH info - Primary scrambling code - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Secondary scrambling code - Secondary scrambling code - Secondary scrambling code - Secondary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each radio link Ist - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Downlink information for each RL - SCCPCH information for each RL - SCCPCH in			
- Default DPCH OPISet Value Downlink information common for all radio links Downlink information for each radio link list - Oholice mode - Primary CPICH info - Primary CPICH info - PDSCH with SHO DCH info - PDSCH with SHO DCH info - Downlink information for each RL - Primary CPICH info for each RL - Scondary CPICH info - DL channelisation code - Secondary Scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Choice mode - Primary CPICH info - PDSCH with SHO DCH info - Primary scrambling code - PDSCH with SHO DCH info - Primary scrambling code - PDSCH with SHO DCH info - Primary scrambling code - Pimary CPICH info - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - PDSCH code mapping - Code number - Scondary CPICH info - PDSCH code mapping - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary Scrambling code - Spreading factor - Code number - Scondary			110110
Downlink information common for all radio links Downlink information for each radio link list Downlink information for each radio link list Downlink information for each radio link Schoice mode Primary CPICH info Primary CPICH lind Primary CPICH			
Downlink information for each radio link ist - Downlink information for each radio link ist - Downlink information for each radio link ist - Primary CPICH info - Primary Scrambling code - Primary CPICH info for each RL - Sceondary CPICH info - Duck condemapting - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - Primary CPICH info - Primary Scrambling code - PDSCH with SHO DCH info - Pimary Scrambling code - PDSCH code mapping - Downlink information for each radio link - Choice mode - Primary CPICH info - DL channelisation code - Secondary Scrambling code - Secondary Scrambling code - PDSCH code mapping - Downlink information for each RL - Primary CPICH info - DL channelisation code - Secondary Scrambling code - S		Δ5 Δ6	
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary CPICH uses for channel estimation - DPSCH code mapping - Downlink information for each RL - Primary CPICH info - DL channelisation code - Secondary Scrambling code - Spreading factor - Code number - Scorphink information for each radio link list - Downlink information for each radio link list - Primary CPICH info - Primary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scorphink information for fach radio link list - Downlink information for each radio link list - Downlink information for each radio link list - Primary CPICH info - Primary CPICH info - Primary Scrambling code - Primary CPICH info - Posch code mapping - Devonlink information for each radio link list - Downlink information for each			THOU TOOGHE
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- 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 Downlink information for each radio link list - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DOCH info for each RL - SCCPCH information for FACH Downlink DOCH info for each RL - SCCPCH information for each RL - SCCPCH information for each radio link list - Downlink DOCH info for each RL - SCCPCH information for FACH Downlink Dock info for each RL - SCCPCH information for each radio link list - SCCPCH information for FACH Downlink information for each radio link list	Connection CDICLL info		Not Droppet
- 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 Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for each RL - SCCPCH information for FACH Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list - A6			Not Present
- Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each RL - SCCPCH information for each radio link list A6			1
- Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for EACH Downlink information for each radio link list - A6	, ,		
- Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list - A6	- Opreading ractor		
- Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - Primary scrambling code - POSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list A6	- Code number		
- TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list - TOO Not Present			
- SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Not Present			-
- Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Not Present			_
- SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Not Present			
Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list A5 FDD Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present Not Present			
- Downlink information for each radio link - Choice mode - Primary CPICH info - Primary scrambling code - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list - Choice mode - FDD Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present Not Present		A5	
- Choice mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list FDD Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not present Not Present Not Present		1	
- Primary CPICH info - Primary scrambling code Ref. to the Default setting in TS34.108 clause 6.1 (FDD) - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list A6			FDD
- Primary scrambling code Ref. to the Default setting in TS34.108 clause 6.1 (FDD) - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Ref. to the Default setting in TS34.108 clause 6.1 (FDD) Not Present Not Present Not Present A6			
6.1 (FDD) - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list 6.1 (FDD) Not Present Not Present Not Present A6			Ref. to the Default setting in TS34.108 clause
- PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Not Present Not Present Not Present Not Present			
- PDSCH code mapping - Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Not Present Not Present Not Present	- PDSCH with SHO DCH info		
- Downlink DPCH info for each RL - SCCPCH information for FACH Downlink information for each radio link list Not present Not Present A6			
- SCCPCH information for FACH Downlink information for each radio link list A6			Not present
Downlink information for each radio link list A6			
- Downlink information for each radio link	Downlink information for each radio link list	A6	
	- Downlink information for each radio link		

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

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

Contents of RADIO BEARER SETUP COMPLETE message: AM

Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
CHOICE mode	FDD
START	Not checked
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER SETUP message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER SETUP message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER SETUP message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RADIO BEARER SETUP FAILURE message: AM

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

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1,A2,A3,	
RRC transaction identifier	A4,A5,A6	Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
integrity official file		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
manage authorization ands		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
The mossage coquents names.		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1,A2,A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A4 A5,A6	Not Present
New U-RNTI	7.0,70	Not Present
New C-RNTI	A1, A2, A3,	Not Present
	A4,	
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
RRC State indicator	A1, A2, A3,	CELL_DCH
	A4	_
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6	Not Present
CN information info		Not Present
URA identity		Not Present
RAB information to reconfigure list RB information to reconfigure list	A1	Not Present TS25.331 specifies that "Although this IE is not
הם ווויסוווומנוטוו נט ופנטווווgure iist	^1	always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIIIO - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2 Net Present
- PDCP info - PDCP SN info		Not Present Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3 Not Present
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIIIO - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4 Not Procent
- PDCP info - PDCP SN info		Not Present Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity	I	10

Information Element	Condition	Value/remark
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue	A 0	Not Present
RB information to reconfigure list	A2	TS25.331 specifies that "Although this IE is not always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present Not Present
RB stop/continueRB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure - RB identity		(AM DCCH for NAS_DT High priority) 3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity - PDCP info		4 Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity - PDCP info		10 Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		11 Not Broomt
- PDCP info - PDCP SN info		Not Present Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
		(This IE is needed for 12.2 kbps and 10.2
- PR identity		kbps) 12
- RB identity - PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	A3,A4,A5, A6	TS25.331 specifies that "Although this IE is not always required, need is MP to align with
		ASN.1".
- RB information to reconfigure - RB identity		(UM DCCH for RRC)
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present

Information Element	Condition	Value/remark
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DTCH)
- RB identity		20
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue RB information to be affected A	A 4 A 2	Not Present
	A1, A2, A3,A4,A5,	Not Present
	A3,A4,A3, A6	
	A1, A2,	Not Present
	A5,A6	110111100111
	A3, A4	
channels - PRACH TFCS		Not Dropont
		Not Present
- CHOICE mode - TFC subset		FDD Not Present
- UL DCH TFCS		Not Flesent
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		INOITHAL
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information		
- CHOICE CTFC Size		Number of bits used must be enough to cover
3110102 011 0 0120		all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
1		
I I		9 (higher than 64 kbps)
		9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set
		(Not Present if the CHOICE Gain Factors is set
- Gain factor βd		
- Gain factor βd		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15
- Gain factor βd		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set
- Gain factor βd - Reference TFC ID		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15

Information Element	Condition	Value/remark
- Power offset P p-m		Not Present
Deleted UL TrCH information	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A5,A6	Not Present
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
 Uplink transport channel type 		DCH `
- UL Transport channel identity		5
- TFS		Dedicated transport shappels
 CHOICE Transport channel type Dynamic Transport format information 		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
 CHOICE Logical Channel list 		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- 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
- Uplink transport channel type		Set DCH
- UL Transport channel identity		1
- TFS		
 CHOICE Transport channel type 		Dedicated transport channels
- Dynamic Transport format information		Deference to TC24 400 eleves C 40 Deverences
- 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		7 111
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
		Set
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH)
- Uplink transport channel type		DCH
 UL Transport channel identity 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		Deference to TCC4 400 eleves C 40 December
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	A1,A2,A3, A4,A5,A6	FDD
- CPCH set ID - Added or Reconfigured TrCH information for DRAC list		Not Present Not Present
DL Transport channel information common for all transport channel	A1, A2, A5, A6	Not Present
DL Transport channel information common for all	A3,A4	
transport channel - SCCPCH TFCS		Not Present
- CHOICE mode		FDD For their
- CHOICE DL parameters - DL DCH TFCS		Explicit
- CHOICE TFCI Signalling - TFCI Field 1 Information		Normal
- CHOICE TFCS representation - TFCS complete reconfigure		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from clause
- CTFC information		TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information		Not Present
Deleted DL TrCH information	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present
Added or Reconfigured DL TrCH information - Downlink transport channel type	A4	2 TrCHs(DCH for DCCH and DCH for DTCH) DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
 Uplink transport channel type 		DCH
- UL TrCH identity - DCH quality target		5
- BLER Quality value		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters - TFS		Explicit
- CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channel
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List Dynamic transport format information		(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

Information Element	Condition	Value/remark
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A3	
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		Deference to TCO4 400 eleves C 40 Devements
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		(This is repeated for TFT humber.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
Trainbor of Transport blooks		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
DOI!		Set
- DCH quality target		
- BLER Quality value	A4 A0 A0	-2.0
Frequency info	A1,A2,A3, A4,A5,A6	
- UARFCN uplink (Nu)	A4,A5,A0	Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1,A2,A3,	33dBm
maximum anonou oz 171 ponoi	A4,A5,A6	0002
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
'	A4	'
-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
- II OI GAISIGHUE		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
Trainbor of 1 bi bit		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE channel requirement	A5, A6	Not Present
CHOICE Mode	A1,A2,A3,	FDD
	A4,A5,A6	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present

Information Element	Condition	Value/remark
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0 Net Bresset
- 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
TEO		Set Tool (100)
- 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 common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		
		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		Present Arbitrary set to value 0306688 by
		step of 512
Downlink information per radio link list	A1, A2, A3	
-Downlink information for each radio link	, , ,	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- 1 filliary scrambling code		6.1 (FDD)
DDCCU with CHO DCU info		Not Present
- PDSCH with SHO DCH info		
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Duimanu CDICH manu ha
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		0 chips
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information per radio link list	A4	
-Downlink information for each radio link	'``	
- Choice mode		FDD
- Primary CPICH info		
Timary or fortimo	1	

Information Element	Condition	Value/remark
- Primary scrambling code	Condition	Ref. to the Default setting in TS34.108 clause
- I filliary scrambling code		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not i lesent
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
Di Orritaine onset		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		THOU TOOGHT
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
Spreading ractor		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Different from the Default setting in TS34.108
		clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Present
- Secondary CCPCH info		Not Present

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

Contents of RADIO BEARER RECONFIGURATION FAILURE message: AM

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

Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER RECONFIGURATION COMPLETE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info CHOICE mode	Not checked FDD
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Not checked Not checked

Contents of RADIO BEARER RELEASE message: AM or UM

Message Type A1, A2, A3, A4, A5, A6, A7, A8 RRC transaction identifier integrity check info RRC transaction identifier integrity check info - message authentication code - message sequence number integrity protection is indicated to be active, this IE is present with the values of the sub IE as a stated below. Elies, this IE integrity protection is indicated to be active, this IE is present with the values of the sub IE as a stated below. Elies, this IE and the sub-IEs are omitted. SC activation this integrity protection mode info Ciphering mode info A1, A2, A3, A4, A7, A8 A5, A6 Not Present New C-RNTI A1, A2, A3, A4, A7, A8 A5, A6, A7, A8 Not Present Not Present Not Present A4 New C-RNTI A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 CILL DCH A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 CILL FACH A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 CILL FACH A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 A4, A5, A6, A7, A8 CILL FACH A8 CN information info Signaling Connection release indication URA identity RB information to release - RB identity RB information information for all transport channels UL Transport channel information for all transport channels - Uplink transport channel letentry - Uplink transport	Information Element		Value/remark
RRC transaction identifier integrity check info - message authentication code - message authentication code - RRC message sequence number integrity protection is indicated to be active, this IE is present with the values of this but Es as stated below. Else, this IE is and the sub-IEs are omitted. SC calculates the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. SS provides the value of MAC-I for this message and writes to this IE. A1.A2.A3. A4.A5.A6. A7.A8 Not Present No	Message Type	A1, A2, A3,	
RRC transaction identifier Integrity check info Integrity check info - message authentication code - message authentication code - RRC message sequence number Integrity protection mode info - RRC message sequence number Integrity protection mode info Cipharing mode info Cipharing mode info Activation time A5, A6 New C-RNTI New C-RNTI New C-RNTI New C-RNTI A1, A2, A3, A4, A7, A8 A6, A6, A7, RRC state indicator A7, A8, A6, A7, RRC State indicator A8, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A2, A6, A7, A8 RRC State indicator A3, A4, A5, A6, A7, A8 RRC State indicator A6, A6, A7, A7, A8 RRC State indicator A7, A8 RRC State indicator A8, A6, A7, A8 - RB identity RB information to release - RB identity A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info all transport A1, A2, A3, A4, A5, A6, A7, A8 Delte dult TrCH Information - Uplink transport channel lype - Transport channel information for all transport - Uplink transport channel type - Transport channel information for all transport - Uplink transport channel type - Transport channel information for all transport - Upli		A4, A5, A6,	
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 opendent on IXIT statements in TS 34 123-2. If integrity protection is indicated to be active, this IE is opendent with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. SC calculates the value of MAC-I for this message and writes to this IE. Sprowides the value of this IE, from its internal counter. Not Present Not		A7, A8	
statements in TS 34.123-2. If interior 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. - RRC message sequence number - Integrity protection mode info Ciphering mode info Ciphering mode info Activation time - A5, A6, A7, A8 - Activation time - A5, A6, A7, A8 - ACTI - A8, A6, A7, A8 - A8,			
ressage authentication code - message authentication code - RRC message sequence number Integrity protection mode info Ciphering mode info Activation time Act	Integrity check info		
researt with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted. - RRC message sequence number Integrity protection mode info Ciphering mode info Ciph			
stated below. Else, this IE and the sub-IEs are omitted. RRC message authentication code - RRC message sequence number Integrity protection mode info Ciphering mode info Activation time Activation time A1, A2, A3, A2, A3, A4, A7, A8 Activation time A4, A7, A8 Not Present A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 CR Information to reconfigure list RB information to release indication URA identity RB information to release - RB identity A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation for all transport channel information for all transport channels LU Transport channel information for all transport			
- message authentication code - RRC message sequence number Integrity protection mode info Ciphering mode info Ciphering mode info Activation time A1, A2, A3, A4, A7, A8 A5, A6 ACTIVATION ACTIVATIO			
- message authentication code - RRC message sequence number Integrity protection mode info Ciphering mode info Activation time A1, A2, A3, A5, A6 Activation time A4, A7, A8 Activation time A5, A6 Activation time A1, A2, A3, A6, A7, A8 Activation time A2, A6, A7, A8 Activation time A1, A2, A3, A6, A7, A8 Activation time A2, A6, A7, A8 Activation time A3, A6, A7, A8 Activation time A4, A7, A8 Activation time A1, A2, A3, A6, A7, A8 Activation time A2, A6, A7, A8 Activation time A3, A6, A7, A8 Activation time A3, A6, A7, A8 Activation time A1, A2, A3, A6, A7, A8 Activation time A2, A6, A7, A8 Activation time A3, A6, A7, A8 Activation time A1, A2, A3, A6, A7, A8 Activation time A1, A2, A3, A6, A7, A8 Activation time A2, A6, A6, A7, A8 Activation time A1, A2, A3, A6, A6, A7, A8 Activation time A1, A2, A3, A6, A6, A7, A8 Activation time A1, A2, A3, A6, A6, A7, A8 Activation time A1, A2, A3, A6, A6, A7, A8 Activation time A1, A2, A3, A6, A6, A7, A8 Activation time A2, A6, A6, A7, A8 Activation time A			· ·
RRC message sequence number Integrity protection mode info Ciphering mode info Activation time Activation time New U-RNTI New C-RNTI New C-RNTI AS, A6, A7, A8 Not Present No			
RRC message sequence number Integrity protection mode info Ciphering mode info Activation time	- message authentication code		
Integrity protection mode info Ciphering mode info Activation time Activatio	DDC .		
Integrity protection mode info Ciphering mode info Activation time A1, A2, A3, A4, A7, A8 A4, A7, A8 A5, A6 A6 A7, A8 A6 A7, A8 A7, A8 A7, A8 A7, A8 A7, A8 A7, A8 A8, A8, A8, A8 A8,	- RRC message sequence number		
Ciphering mode info At. A2, A3, A4, A7, A8 A1, A2, A3, A4, A7, A8 Not Present A1, A2, A3, A4, A7, A8 Not Present Not Present Activation time A3, A4, A7, A8 Not Present Not Present Not Present New C-RNTI A1, A2, A3, A6, A7, A6, A7, A8 Not Present Not Present New DSCH-RNTI A1, A2, A3, A6, A7, A8 Not Present RRC State indicator A1, A2, A3, A6, A7, A8 Not Present RRC State indicator A1, A2, A3, A6, A7, A8 Not Present UTRAN DRX cycle length coefficient A1, A2, A3, A6, A7, A8 Not Present UTRAIN DRX cycle length coefficient A1, A2, A3, A6, A7, A8 Not Present URA identity Not Present Not Present URA identity Not Present Not Present RB information to release A1, A2, A3, A6, A7, A8 Not Present - RB identity 10 11 RB information to release A2, A8 11 - RB identity 12 12 RB identity 12 12 RB information to be affected A1, A2, A3, A5, A6,	Integrity protection made info		
Activation time			
Activation time		A4 A2 A2	
Activation time Activation	Activation time		(250+CFN-(CFN MOD 8 + 8))MOD 256
New C-RNTI	Activation time		Not Dropont
New C-RNTI		A5, A6	
New C-RNTI		A4 A2 A2	
New C-RNTI	New C-RNTI		Not Fresent
New DSCH-RNTI	Now C PNTI		11010 1010 1010 1010
New DSCH-RNTI A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A1, A2, A3, A4, A5, A6, A7, A8 RRC State indicator A5, A6, A7, A8 RRC State indicator A5, A6, A7, A8 UTRAN DRX cycle length coefficient A1, A2, A3, A4, A5, A6, A7, A8 UTRAN DRX cycle length coefficient A1, A2, A3, A4, A5, A6, A7, A8 CN information info Signalling Connection release indication URA identity RAB information to reconfigure list RB information to release - RB identity - RB information to be affected A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel information - Uplink transport channel type - Transport channel information - Uplink transport channel type - Transport channel type	New C-RNTI		
A4, A5, A6, A7, A8	Now DSCH DNTI		Not Procent
A7, A8	New Doon-Kivii		Not Fresent
RRC State indicator RRC State indicator RRC State indicator A5, A6, A7, A8 UTRAN DRX cycle length coefficient A1,A2,A3, A4,A5,A6, A7, A8 CN information info Signalling Connection release indication URA identity RB information to reconfigure list RB information to release - RB identity RD information to release - RB identity RD information to release - RB identity RD information to be affected A1,A2, A8 - RB identity RD information to be affected A1,A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 Downlink counter synchronisation for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information A1,A2, A3, A5,A7, A8 DCH DCH DCH DCH DCH DCH DCH DC			
RRC State indicator RRC State indicator A5, A6, A7, A8 A1,A2,A3, A4,A5,A6, A7, A8 Not Present Not	DDC State indicator		CELL DON
RRC State indicator UTRAN DRX cycle length coefficient A1,A2,A3, A4,A5,A6, A7, A8 CN information info Signalling Connection release indication URA identity RRB information to reconfigure list RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to be affected A1,A2, A3, A4,A5, A6, A7, A8 Downlink counter synchronisation info UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel lype - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type	NNC State indicator		CELL_DOI1
UTRAN DRX cycle length coefficient A1,A2,A3, A4,A5,A6, A7, A8 Not Present No	DDC State indicator		CELL EVOR
UTRAN DRX cycle length coefficient A1,A2,A3, A4,A5,A6, A7, A8 CN information into Signalling Connection release indication URA identity RAB information to reconfigure list RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to be affected A1,A2, A8 - RB identity RB information to be affected A1,A2, A8 - A8 Downlink counter synchronisation info A1,A2,A3, A4,A5, A6, A7, A8 UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity DCH	RRC State Indicator		CELL_FACH
A4,A5,A6, A7, A8 CN information info Signalling Connection release indication URA identity RB information to reconfigure list RB information to release - RB identity - RB information to be affected - RB identity - RB information to be affected - A1,A2, A3, A4,A5, A6, A6, A7, A8 Downlink counter synchronisation info - A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels - Uplink transport channel information - Uplink transport channel itype - Transport channel identity - Uplink transport channel itype - Transport channel identity - Uplink transport channel itype - Transport channel identity - Uplink transport channel itype - Transport channel identity - Uplink transport channel itype - Transport channel identity - Uplink transport channel itype - Transport channel identity - Uplink transport channel identity - UCH Transport channel identity - UCH Transport channel identity - UPLING transport channel identity - UCH Tran	LITEAN DRY avala langth coefficient		Not Procent
CN information info Signalling Connection release indication URA identity RAB information to reconfigure list RB information to release - RB identity RB information to be affected A1,A2, A8 - RB identity RB information to be affected A1,A2, A8 - RB identity RB information to be affected A1,A2, A3, A4,A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6,A7,A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity DCH	OTRAN DRA Cycle length coemicient		Not Fresent
CN information info Signalling Connection release indication URA identity RAB information to reconfigure list RB information to release - RB identity RB information to be affected A1, A2, A8 - RB identity RB information to be affected A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - DCH			
Signalling Connection release indication URA identity RAB information to reconfigure list RB information to release - RB identity RD information to release - RB identity RB information to release - RB identity RB information to release - RB identity RD information to release - RB identity RB information to release - RB identity - RB information to release - RB identity - RB information to release - RB identity - RB identity - RB information to release - RB identity - RB information to release - RB identity - RB information to release - RB identity - RB identity - RB information to release - RB identity - RB information to release - RB identity - Not Present - Not Pre	CN information info	AI, Ao	Not Present
URA identity RAB information to reconfigure list RB information to release - RB identity RB information to be affected A1, A2, A8 - RB identity 20 RB information to be affected A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information - Uplink transport channel type - Transport channel identity - Uplink transport channel type - Transport channel identity - Uplink transport channel type - Uplink transport channel type - Transport channel identity - Uplink transport channel type			
RAB information to reconfigure list RB information to release RB information to be affected A1, A2, A8 RB information to be affected A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information CH Information A1, A2, A3, A5, A6 A5, A6 Deleted UL TrCH Information - Uplink transport channel type Transport channel identity Teleted UL TrCH Information - Uplink transport channel type Transport channel type UL TrCH Information - Uplink transport channel type Transport channel identity Deleted UL TrCH Information - Uplink transport channel type Transport channel type Transport channel type DCH Not Present Not Present A1, A2, A3, A5, A6 Not Present DCH DCH	I IR A identity		
RB information to release - RB identity RB information to be affected A3, A4, A5, A6 - RB identity RB information to be affected A1,A2, A3, A4,A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Uplink transport channel type - Transport channel identity - Uplink transport channel type	RAB information to reconfigure list		
RB identity RB information to release - RB identity RB information to be affected RB information to be affected A1, A2, A8 - RB identity RB information to be affected A1, A2, A3, A4, A5, A6 A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6 A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type DCH 11 11 12 A2, A8 A3, A4, A5, A6 A6 A7, A8 A1, A2, A3, A4, A5, A6 A7, A8 TFCS reconfigured to fit the new transport channel configuration. Not Present A5, A6 DCH Transport channel information - Uplink transport channel type DCH DCH		A1 A2 A7	THE TREESING
- RB identity RB information to release - RB identity RB information to be affected A3, A4, A5, A6 - RB identity RB information to be affected A1,A2, A3, A4,A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity DELETEM SA2, A8 - Uplink transport channel type - Transport channel identity DELETEM SA2, A8 - Uplink transport channel type - Transport channel identity DELETEM SA2, A8 - Uplink transport channel type - Transport channel identity DELETEM SA2, A8 - Uplink transport channel type - Transport channel identity - Uplink transport channel type - Transport channel type - Transport channel identity - Uplink transport channel type	TAB III OTHICITION TO TO COOC		
RB information to release - RB identity RB information to be affected RB information to be affected A1,A2, A6 - RB identity RB information to be affected A1,A2, A3,A4,A5, A6,A7,A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity DCH DCH	- RB identity	7.0	10
- RB identity RB information to release - RB identity RB information to release - RB identity RB information to release - RB identity RB information to be affected RB information to be affected RB information to be affected A1, A2, A3, A4, A5, A6, A7, A8 Downlink counter synchronisation info A1, A2, A3, A4, A5, A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity DELETED A2, A8 - Uplink transport channel identity DELETED A3, A4, A5, A6 - A7, A8 DCH - Transport channel identity DCH - Transport channel identity DCH		A2. A8	
RB information to release - RB identity RB information to release A3, A4, A5, A6 - RB identity RB information to be affected A1,A2, Not Present A3,A4,A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6,A7,A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information A1,A2,A3, A5,A6 A7,A8 DCH Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel type - Transport channel type - Uplink transport channel type		7, 7 .0	11
RB information to release - RB identity RB information to be affected - RB information to be affected RB information to be affected - RB information to be affected - RB information to be affected - A1,A2, - A3,A4,A5, - A6, A7, A8 - A1,A2,A3, - Ull Transport channel information for all transport channels - UL Transport channel information for all transport channels - Ull Transport channel information for all transport channels - Ull Transport channel information - Uplink transport channel type - Transport channel identity - Transport channel identity - Uplink transport channel type - Transport channel identity - Uplink transport channel type - Uplink transport channel type - Transport channel identity - Uplink transport channel type		A2 A8	
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- RB identity RB information to be affected A1,A2, A3,A4,A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type		A3, A4. A5.	
RB information to be affected RB information to be affected A1,A2, A3,A4,A5, A6, A7, A8 Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel type - Transport channel type - Transport channel type - Uplink transport channel type			
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Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity A3,A4,A5, A6, A7, A8 A1,A2,A3, A4 A1,A2,A3, A5,A6 Not Present A5, A6 Not Present DCH DCH DCH A2, A8 DCH A2, A8 DCH	RB information to be affected	A1,A2,	
Downlink counter synchronisation info A6, A7, A8 A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Uplink transport channel type - Transport channel type - Uplink transport channel type			
Downlink counter synchronisation info A1,A2,A3, A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information - Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type			
A4,A5,A6, A7, A8 UL Transport channel information for all transport channels UL Transport channel information for all transport channels Deleted UL TrCH Information - Uplink transport channel identity Deleted UL TrCH Information A4,A5,A6, A7, A8 A5, A6 Not Present A1,A2, A3, A5,A7, A8 DCH - Transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type - DCH	Downlink counter synchronisation info		Not Present
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channels A1,A2, A3, A5,A7, A8 - Uplink transport channel type - Transport channel identity DCH - Uplink transport channel identity 1 Deleted UL TrCH Information - Uplink transport channel type A2, A8 - Uplink transport channel type DCH	UL Transport channel information for all transport		
- Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type A5,A7, A8 DCH A2, A8 DCH	channels		
- Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type A5,A7, A8 DCH A2, A8 DCH	Deleted UL TrCH Information	A1,A2, A3,	
- Uplink transport channel type - Transport channel identity Deleted UL TrCH Information - Uplink transport channel type A2, A8 - Uplink transport channel type DCH			
Deleted UL TrCH Information A2, A8 - Uplink transport channel type DCH			DCH
- Uplink transport channel type DCH	- Transport channel identity		1
		A2, A8	
Transport shannel identity			
- Transport Charmer Identity 2	- Transport channel identity		2

Information Element	1	Value/remark
Deleted UL TrCH Information	A2, A8	value/Terrial K
- Uplink transport channel type	A2, A0	DCH
- Transport channel identity		3
Deleted UL TrCH Information	A4,A6	Not Present
Added or Reconfigured UL TrCH information	A5, A6, A7,	Not Present
C	A8	
Added or Reconfigured UL TrCH information	A1, A2, A3, A4	TrCHs(DCH for DCCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CHOICE Logical Channel list	+	All
- Semi-static Transport Format information		7.41
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3
- Transmission time interval		(standalone 13.6 kbps signalling radio bearer)
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3
- Type of charmer coding		(standalone 13.6 kbps signalling radio bearer)
- Coding Rate		According to TS34.108 clause 6.10.2.4.1.3
Coding Nate		(standalone 13.6 kbps signalling radio bearer)
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3
Trate matering attribute		(standalone 13.6 kbps signalling radio bearer)
- CRC size		According to TS34.108 clause 6.10.2.4.1.3
0110 0120		(standalone 13.6 kbps signalling radio bearer)
DL Transport channel information for all transport	A1, A2, A3,	TFCS reconfigured to fit the new transport
channels	A4, A7, A8	channel configuration.
DL Transport channel information for all transport	A5, A6	Not Present
channels		
Deleted DL TrCH Information	A1, A2, A3, A5,A7, A8	
- Downlink transport channel type	', ', '	DCH
- Transport channel identity		6
Deleted DL TrCH Information	A2, A8	
 Downlink transport channel type 		DCH
- Transport channel identity		7
Deleted DL TrCH Information	A2, A8	
 Downlink transport channel type 		DCH
- Transport channel identity		8
Deleted DL TrCH Information	A4,A6	Not Present
Added or Reconfigured DL TrCH information	A5, A6, A7, A8	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A3, A4	1 TrCHs(DCH for DCCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		Not Present
Frequency info	A1,A2,A3, A4,A5,A6, A7, A8	
- 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	A5, A6, A7,	Not Present
I	A8	J

Information Element	T	Value/remark
CHOICE channel requirement	A1,A2,A3,	Uplink DPCH info
CHOICE channel requirement	A1,A2,A3, A4	Oplink DPCH Into
Unlink DDCH newer central info	A4	
- Uplink DPCH power control info		-6dB
- DPCCH power offset - PC Preamble		1 frame
		7 frames
- SRB delay		
- 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	A1,A2,A3,	FDD
	A4,A5,A6,	
	A7, A8	
- Downlink PDSCH information	·	Not Present
Downlink information common for all radio links	A5, A6,	Not Present
	A7, A8	
Downlink information common for all radio links	A1,A2, A3	
- Downlink DPCH info common for all RL	711,712,710	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		Not i lesent
- DOWNINK DECH power control information - DPC mode		O (single)
		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	INOCH I GOGIIL
- Downlink DPCH info common for all RL	\ \frac{\tau^4}{}	
		Initialia
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		0(: 1)
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Fixed or Flexible Position		Set Reference to TS34.108 clause 6.10 Parameter
- TFCI existence		Set Reference to TS34.108 clause 6.10 Parameter
- CHOICE SF		Set Reference to TS34.108 clause 6.10 Parameter
DDCH communicated and defect		Set Not Propert
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value	1	Arbitrary set to value 0306688 by step of 512

Information Element		Value/remark
Downlink information for each radio link list	A1,A2,A3	
-Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
i iiiiaiy colaiiig codo		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		THOU TOOOTIC
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		0 chips
- Secondary CPICH info		Not Present
- Secondary scrambling code		Not i resent
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	Not Flesent
-Downlink information for each radio link	A4	
- Choice mode		FDD
		FDD
- Primary CPICH info - Primary scrambling code		Pof to the Default cotting in TS24 109 clause
		Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Flesent
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
- Droit fiame onset		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		Not Flesent
- channelisation code		
- Channelisation code - DL channelisation code		
- Secondary scrambling code		
		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- Code number		Set
- Code number - Scrambling code change		No change
- Scrambling code change - TPC combination index		No change 0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5, A7, A8	INOUT LESCHE
- Choice mode	A5, A7, A6	FDD
- Choice made - Primary CPICH info		טט ו
		Pof to the Default setting in TS24 100 clause
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- PDSCH with SHO DCH info		6.1 (FDD) Not Present
		Not Present Not Present
- PDSCH code mapping		
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH	100	Not Present
- Downlink information for each radio link	A6	Not Present

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

Contents of RADIO BEARER RELEASE COMPLETE message: AM

Message Type	
RRC transaction identifier	Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
CHOICE mode	FDD
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER RELEASE message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER RELEASE message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RADIO BEARER RELEASE FAILURE message: AM

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

Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
Initial UE identity	
- CHOICE UE id type	
- TMSI and LAI (GSM-MAP)	Set to the UE's TMSI and LAI.
Establishment cause	To be checked against requirement if specified
Protocol error indicator	FALSE
Measured results on RACH	To be checked against requirement if specified

Contents of RRC CONNECTION REJECT message: UM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Initial UE identity	Select the same type as in the IE "Initial UE Identity" in
	RRC CONNECTION REQUEST" message.
Rejection cause	Unspecified
Wait Time	0
Redirection info	Not Present

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type	
U-RNTI	This IE is set to the following value when the message is
	transmitted on the CCCH. When transmitted on DCCH, this
	is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection is
	indicated to be active, this IE is present with the values
	of the sub IEs as stated below. Else, this IE and the
	sub-IEs are omitted.
	(b) This IE is present when this message is transmitted on
	downlink DCCH. Else, this IE and the sub-IEs are
	omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other
	connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	Checked to see if it's identical to the value of XMAC-I calculated by the SS
- RRC Message sequence number	Checked to see if it is present. This number is used by the SS to compute the XMAC-I
Error indication	Not checked

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
 UE radio access FDD capability update 	TRUE
requirement	
 UE radio access TDD capability update 	FALSE
requirement	
 System specific capability update requirement list 	Gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	I. IFACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	No discard
- Transmission RLC discard - SDU discard mode	No discard
Transmission RLC discardSDU discard modeMAX_DAT	15
- Transmission RLC discard - SDU discard mode	

Information Element	Value/remark
- Polling info	Fuldoffolium
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
Last retransmission PDU pollPoll_Window	TRUE 99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC - Missing PDU indicator	Not present TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i resem
- 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 - 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 RLC logical channel mapping indicator	2 Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
MAC logical channel priority	13.6 kbps signalling radio bearer) 2
- MAC logical channel priority - Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(4M DOOM (MAG BTH) 1 (1)
Signalling RB information to setup - RB identity	(AM DCCH for NAS_DT High priority) Not Present
- CHOICE RLC info type	Not Flesent
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128 500
- Timer_RST - Max_RST	4
- Polling info	i e
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE TRUE
Last retransmission PDU pollPoll_Window	99
- Timer_poll_periodic	Not Present

Information Element	Value/remark
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
RB mapping info Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
 MAC logical channel priority 	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
 RLC logical channel mapping indicator Number of RLC logical channels 	Not Present
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
DL DSCH Transport channel identity Logical channel identity	Not Present 3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not present
- CHOICE RLC info type	That produit
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST - Polling info	4
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
Receiving window size Downlink RLC status info	128
- Downlink RLC status into	200
- Timer_status_profilibit	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	

Information Element	Value/remark
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
 Logical channel identity 	4
- CHOICE RLC size list	Configured
 MAC logical channel priority 	4
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	4
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
 MAC logical channel priority 	4
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Addition
 TFCS complete reconfigure 	
- CHOICE CTFC Size	2bit CTFC
- CTFC information	This IE is repeated for TFC numbers according to TS34.108
	clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio
	bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
D " ' ' ' ' ' '	kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled
0:1.1	Gain Factors)
- Gain factor ßc	11 (below 64 kbps)
	9 (higher than 64 kbps)
Cain factor Od	(Not Present if the above is set to Computed Gain Factors)
- Gain factor ßd	15
Deference TEC ID	(Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	FDD
- CHOICE mode	
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information - Uplink transport channel type	DCH
- UL Transport channel identity	
- TFS	3
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Dedicated transport channels
- RLC size	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
INLO SIZO	kbps signalling radio bearer)
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- Transmission Time Interval	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
Transmission fillio interval	kbps signalling radio bearer)

- SSDT information

Information Element Value/remark - Number of Transport blocks According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CHOICE Logical channel list - Semi-static Transport Format information - Transmission time interval According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Type of channel coding kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Coding Rate kbps signalling radio bearer) - Rate matching attribute According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - CRC size kbps signalling radio bearer) DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode FDD - CHOICE DL parameters Same as UL Added or Reconfigured DL TrCH information - Downlink transport channel type DCH - DL Transport channel identity 10 - CHOICE DL parameters Same as UL - Uplink transport channel type DCH - UL TrCH Identity - DCH quality target - BLER Quality value -2.0 Frequency info Not Present Maximum allowed UL TX power Not Present Uplink DPCH info - Uplink DPCH power control info - DPCCH power offset -6dB - PC Preamble 1 frame - SRB delay 7 frames - Power Control Algorithm Algorithm1 - TPC step size 1dB - Scrambling code type Long - Scrambling code number 0 (0 to 16777215) - Number of DPDCH Not Present(1) - Spreading factor According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - TFCI existence kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Number of FBI bit kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) - Puncturing Limit kbps signalling radio bearer) Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing Indication Initialise - CFN-targetSFN frame offset Not Present - CHOICE mode FDD - Downlink DPCH power control information - DPC mode 0 (single) - Power offset P Pilot-DPDCH - DL rate matching restriction information Not Present According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Spreading factor kbps signalling radio bearer) - Fixed or Flexible Position According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - TFCI existence kbps signalling radio bearer) - CHOICE SF According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) - DPCH compressed mode info Not Present - TX Diversity mode None

Not Present

Information Element	Value/remark
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for each radio links list	
- Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
 Downlink DPCH info for each RL 	
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
 DL channelisation code 	
 Secondary scrambling code 	1
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Code number	0
 Scrambling code change 	Not Present
- TPC combination index	0
- SSDT Cell Identity	Not Present
 Closed loop timing adjustment mode 	Not Present
- SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH)

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

Information Element	Value/remark
- Logical channel identity	1
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
 MAC logical channel priority 	1
 Downlink RLC logical channel info 	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity Logical channel identity 	Not Present
- Logical channel identity Signalling RB information to setup	1 (AM DCCH for BBC)
- RB identity	(AM DCCH for RRC) Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	7 1.
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	000
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU - Poll_SDU	Not Present 1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic- RB mapping info	Not Present
Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
Number of downlink RLC logical channels Downlink transport shapped type	1 DCH
 Downlink transport channel type DL DCH Transport channel identity 	DCH 10
- DL DSCH Transport channel identity - DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	2
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present

Information Element	Value/remark
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	o DDM O C
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1 DCH
Uplink transport channel type UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
 UL DCH Transport channel identity 	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity Signalling RB information to setup	3 (AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500

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

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

Contents of RRC CONNECTION SETUP COMPLETE message: $\ensuremath{\mathsf{AM}}$

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

Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The 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.
Identification of received message	Not Checked
Protocol error information	
- Protocol error cause	Refer to test requirement.

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm
- UEA1	UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE. If the UE has indicated support for ciphering algorithm
- ULAI	UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
 Integrity protection algorithm capability UIA1 	000000000000010B (UIA1) TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in
	TS 34.123-2. If ciphering is indicated to be active, this IE
	present with the values of the sub IEs as stated below.
	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the
	algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message.
- Ciphering activation time for DPCH	Not Present
Radio bearer downlink ciphering activation time info	Not i resem
- 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	A
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in
Integrity protection mode into	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 algorithm - Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked
OL System specific security capability	NOT OTHERWAY

Contents of SECURITY MODE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the
	value of the same IE transmitted in the downlink
	SECURITY MODE COMMAND message.
Integrity check info	The presence of this IE is dependent on IXIT statements in
	TS 34.123-2. If integrity protection is indicated to be active,
	this IE shall be present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used
	by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE
	COMMAND message, this IE must be absent. Else, SS
	checks this IE for the presence of activation times for all
	ciphered uplink RLC-UM and RLC-AM RBs.

Contents of SECURITY MODE FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is the identical to the same IE in the downlink SECURITY MODE COMMAND message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Refer to test requirement.

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		present with the values of the sub IEs as
		stated below. Else, this IE and the sub-IEs are
		omitted.
- message authentication code		SS calculates the value of MAC-I for this
550		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
lete with a set of the second of the		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info	A4 A0 A0	Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
A circuit	A4,	N / P
Activation time	A5, A6	Not Present
New U-RNTI		Not Present
New C-RNTI	A1, A2, A3,	Not Present
	A4	

New DSCH-RNTI	Information Element	Condition	Value/remark
New DSCH-RNTI			
A4, A5, A6 RRC State indicator RRC State indicator A1, A2, A3, CELL_DCH A4 RRC State indicator A5, A6 CELL_FACH UTRAN DRX cycle length coefficient A1, A2, A3, A4,A5,A6 Not Present A6 A3, A4 A3, A4 Not Present PACH TFCS - CHOICE mode - TFC subset - U. D. DCH TFCS - CHOICE TFCS representation - TFC subset - CHOICE TFCS representation - TFC Sc complete reconfigure information - CHOICE TFC Size - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference to TS34, 108 clause 6.10.2.4 Parameter Set Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 1 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 0 - CHOICE mode - Power offset P-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
RRC State indicator RRC State indicator A1, A2, A3, A6 RRC State indicator A5, A6 CELL_FACH Not Present FDD Not Present Not Present FDD			
A4	RRC State indicator		CELL DCH
UTRAN DRX cycle length coefficient			
A4,A5,A6 Not Present A1, A2, A5, A6 A3, A4 A3, A4 Not Present	RRC State indicator	A5, A6	CELL_FACH
CN information info URA identity Downlink counter synchronisation info UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS sze - CTFC information - CHOICE TFC Size - CTFC information - CHOICE TFC Size - CTFC - CT	UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
URA identity Downlink counter synchronisation info UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Gain factor βd - Gain factor βd A1, A2, A5, Not Present - Complete reconfiguration - CHOICE Gain Factors - Gain factor βd - Gain factor βd - Gain factor βd - Reference to TS34.108 clause 6.10.2.4 - Parameter Set - Computed Gain Factors(The last TFC is set to Signalled Gain Factors) - Signalled Gain Factors) - Gain factor βd - Gain factor βd - Gain factor βd - Gain factor βd - Reference to TS34.108 - Reference		A4,A5,A6	
Downlink counter synchronisation info Not Present UL Transport channel information for all transport channels A1, A2, A5, A6 UL Transport channel information for all transport channels A3, A4 UL Transport channel information for all transport channels Not Present - PRACH TFCS Not Present - CHOICE mode Not Present - TFC subset Normal - UL DCH TFCS Normal - TFCI Field 1 information Complete reconfiguration - TFCS complete reconfigure information Complete reconfiguration - CHOICE TFC Size Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. - CTFC This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Gain factor βc Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Gain factor βd (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID (Not Present if the CHOICE Gain Factors)	CN information info		Not Present
UL Transport channel information for all transport channels UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - A1, A2, A5, A6 A1, A2, A5, Not Present A1, A2, A5, A6 A1, A2, A5, Not Present			
channels A6 UL Transport channel information for all transport channels A3, A4 - PRACH TFCS Not Present - CHOICE mode Not Present - TFC subset Not Present - UL DCH TFCS Normal - CHOICE TFCI signalling Complete reconfiguration - CHOICE TFCS representation Complete reconfiguration - CHOICE CTFC Size Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. - CTFC information This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - CHOICE Gain Factors 11 (below 64 kbps) - Gain factor βd Computed Gain Factors (The last TFC is set to ComputedGain Factors) - Gain factor βd 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID CHOICE mode Pom Not Present - Power offset P p-m A1, A2, A5, Not Present		<u> </u>	
UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE TFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE TFC ID - Power offset P _P -m Added or Reconfigured UL TrCH information - A1, A2, A5, Not Present Not Present FDD Not Present Not Present FDD Not Present FDD Not Present - Complete reconfiguration - Complete reconfiguration - Complete reconfiguration - Complete reconfiguration - CTFC unline and reference to TS34.108 clause 6.10.2.4 - Parameter Set Reference to TS34.108 clause 6.10	· · · · · · · · · · · · · · · · · · ·		Not Present
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- PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Filed 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - A1, A2, A5, Not Present Not Present FDD Not Present		A3, A4	
- CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCS subset - This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 - Parameter Set - Reference to TS34.108 clause 6.10.2.4 - Parameter Set - Computed Gain Factors(The last TFC is set to Signalled Gain Factors) - (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCS signalled Sin Factors - ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCS signalled - Computed Gain Factors is set to ComputedGain Factors) - Not Present - Added or Reconfigured UL TrCH information - TFCS complete reconfiguration - Computed Sin Sused must be enough to cover all combinations of CTFC from TS34.108 - Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Call Computer of Sit sused must be enough to cover all combinations of CTFC from TS34.108 - Call Combinations of CTFC f			Not Propert
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- UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCI Field 1 information - CHOICE Gain Factors - COmputed Gain Factors - CHOICE Gain Factors - CHOICE Gain Factors - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCI Field 1 information - Computed Gain Factors - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Computed Gain Factors is set to Compu			
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- CTFC information This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) Not Present Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
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- CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference to TS34.108 clause 6.10.2.4 Parameter Set Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
Parameter Set - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Gain factor βc - Gain factor βc - Gain factor βd - Gain factor βd - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - CHOICE Gain Factors is set to Computed Gain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m - Power offset P p-m - CHOICE mode - Power offset P p-m - Reference TFC ID - CHOICE mode - Power offset P p-m - A1, A2, A5, Not Present	CTEC		
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- CHOICE Gain Factors - Gain factor βc - Gain factor βd - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m - Added or Reconfigured UL TrCH information - Gain factors - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present	- Power offset information		i arameter Set
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- Reference TFC ID 0 - CHOICE mode FDD - Power offset P p-m Not Present Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
- CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present Not Present	Defending TEO ID		
- Power offset P p-m Not Present Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
Added or Reconfigured UL TrCH information A1, A2, A5, Not Present	*******		
		Λ1 Λ2 Λ5	
I A6	Added of Neconinguled OL HOTTIHIOIHIALION	A1, A2, A5, A6	NOT LESCH

Information Element	Condition	Value/remark
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		D (
- 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		D (T004 400
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Type of charmer county		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
, and the second		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
CDC size		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- Uplink transport channel type		Set 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
- Number of TBs and TTI List		Set
- Transmission Time Interval		(This IE is repeated for TFI number.) 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
Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
gramig rand		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
000 :		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
Added or Reconfigured UL TrCH information	A3	Set (DCH for DTCH)
- Uplink transport channel type	73	DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Deference to TO24 400 eleves 0.40 Dem
- 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
- Hansinission line interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
. , , , : - : : : : : : : : : : : : :		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set

Information Element	Condition	Value/remark
- 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	A1,A2,A3,	FDD
	A4,A5,A6	
- CPCH set ID		Not Present
- Added or Reconfigured TrCH		Not Present
information for DRAC list	1110	N (D
DL Transport channel information common for all	A1, A2,	Not Present
transport channel	A5,A6	
DL Transport channel information common for all transport channel	A3,A4	
- SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		Explicit
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause
		TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
5 "		Parameter Set
- Power offset information		Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type	'\¬	DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		Dedicated transport shapped
- CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channel
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
NEO 0120		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		
- 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
Coding Rate		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
- Nate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
511.0 0.120		Set
- DCH quality target		
- BLER Quality value		-2.0
Added or Reconfigured DL TrCH information	A3	
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		Dedicated transport shapes
- CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channel
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
- NEO SIZE		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		(
- Transmission Time Interval		
- Number of Transport blocks		Not Present
		Not Present Reference to TS34.108 clause 6.10 Parameter
·		
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set
·		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
- Semi-static Transport Format information - Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
- Semi-static Transport Format information - Transmission time interval - Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set 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 Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target	A1,A2,A3,	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Frequency info	A1,A2,A3, A4,A5,A6	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Frequency info - UARFCN uplink (Nu)		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Frequency info - UARFCN uplink (Nu) - UARFCN downlink (Nd)	A4,A5,A6	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0 Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Frequency info - UARFCN uplink (Nu)		Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set -2.0

Information Element	Condition	Value/remark
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
Of IOIOE Charmer requirement	A1, A2, A3,	Opinik Di Orrinio
-Uplink DPCH power control info	/ (4	
- 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
3		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	A1,A2,A3,	FDD
	A4,A5,A6	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
 DPCH compressed mode info 		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL	1	
- Timing indicator		Initialise
- CFN-targetSFN frame offset	1	Not Present
- Downlink DPCH power control information	1	
- DPC mode		0 (single)
- CHOICE mode	1	FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor	1	Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position	1	Reference to TS34.108 clause 6.10 Parameter
	1	Set
- TFCI existence	1	Reference to TS34.108 clause 6.10 Parameter
	1	Set
- CHOICE SF	1	Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info	1	Not Present
- TX Diversity mode		None
- SSDT information	1	Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Downlink information for each radio link list	A1, A2, A3	

Information Element	Condition	Value/remark
- Downlink information for each radio links		
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		0 chips
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	
 Downlink information for each radio links 		
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value: Default DPCH Offset Value mod
		38400
- Power offset Ppilot-DPDCH		0
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH	.	Not Present
- Downlink information for each radio link	A5	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
PROOFF STREET		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH	1.0	Not Present
- Downlink information for each radio link	A6	500
- Choice mode		FDD
- Primary CPICH info		Birr 1 B 1 1 1 1 1 1 1 1
- Primary scrambling code		Different from the Default setting in TS34.108
PROOFF AF ONE BOARD		clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present

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

Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked
CHOICE mode	FDD
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The TRANSPORT CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The TRANSPORT CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink TRANSPORT CHANNEL
	RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in
	TS 34.123-2. if integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
-	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL_DCH)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
CHOICE mode	FDD
DPCH/PUSCH TFCS in Uplink	
- CHOICE Subset representation	Allowed transport format combination list
 Allowed Transport format combination 	0 (The TFC is constructed from ALL TF0)
Activation time for TFC subset	Not Present
TFC Control duration	Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

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

Contents of UE CAPABILITY INFORMATION message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink UE CAPABILITY ENQUIRY message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
UE radio access capability	Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
- Access stratum release indicator	
- PDCP Capability	
- RLC Capability	
- Transport channel capability	
- RF Capability FDD	
- RF Capability TDD - Physical channel capability	
- UE multi-mode/multi-RAT capability	
- Security Capability	
- UE positioning Capability	
- Measurement capability	
UE radio access capability extension	Value will be checked. Stated capability must be
	compatible with 34.123-2 (ICS statements) and the user
	settings
UE system specific capability	Not Checked

Contents of UE CAPABILITY INFORMATION CONFIRM message: UM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Set to the same value as received in the UE CAPABILITY INFORMATON message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.

Contents of URA UPDATE message: TM

Information Element	Value/remark
Message Type	
U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Checked to see if it is absent
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
URA update cause	See the test content
Protocol error indicator	Checked to see if it is absent or set to 'FALSE'
Protocol error information	Checked to see if it is absent

Contents of URA UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
U-RNTI	If this message is sent on CCCH, use the following
	values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	Not Present
New C-RNTI	Not Present
RRC state indicator	URA_PCH
UTRAN DRX cycle length coefficient	3
CN information info	Not Present
URA identity	See the test content
Downlink counter synchronisation info	Not Present

Contents of UPLINK DIRECT TRANSFER message: $\ensuremath{\mathsf{AM}}$

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to a CN domain for which a signalling connection exists
NAS message	Set according to that indicated in specific message content clause
Measured results on RACH	Not checked

Contents of UTRAN MOBILITY INFORMATION message: AM or UM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- 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.
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	See the test content
New C-RNTI	See the test content
UE Timers and constants in connected mode	
- T301	2000 milliseconds
- N301	2
- T302	4000 milliseconds
- N302	3
- T304	1000 milliseconds
- N304	3
- T305	60 minutes
- T307	50 seconds
- T308	320 milliseconds
- T309	8 seconds
- T310	320 milliseconds
- N310	5
- T311	500 milliseconds
- T312	5 seconds
- N312	200
- T313	10 seconds
- N313	200
- T314	20 seconds
- T315	30 seconds
- N315	200
- T316	50 seconds
- T317	1800 seconds
CN information info	Not Present
URA identity	Not present
Downlink counter synchronisation info	Not Present

Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the value of the same IE in downlink UTRAN MOBILITY INFORMATION message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM, (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

9.1.2 Default RRC Message Contents (TDD)

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
CN domain identity	CS domain or PS domain
NAS message	See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	CS domain or PS domain
Intra Domain NAS Node Selector	Set to the same octet string as in the IMSI stored in the USIM card
NAS message	Set according to that indicated in specific message content for each test case
Measured results on RACH	Not checked

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

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

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

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

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

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

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and
DDC magaza agguanas numbar	writes to this IE.
- RRC message sequence number Integrity protection mode info	SS provides the value of this IE, from its internal counter. Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements
Ciprioring mode into	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 MOD 8 + 8))MOD 256
- Radio bearer downlink ciphering activation time	Not Present
info	(256 CEN (CEN MOD 9 + 9)\MOD 256
Activation time New U-RNTI	(256+CFN-(CFN MOD 8 + 8))MOD 256 Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info - RAB identity	0000 0001B
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	10
- PDCP info	Not Present
- CHOICE RLC info type	RLC info TM RLC
- CHOICE Uplink RLC mode - 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 UL Transport channel identity 	DCH 1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present 11
- RB identity - PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Wall mile type - CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE

Information Element	Value/remark
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	TALOE
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
 Number of uplink RLC logical channels 	1
 Uplink transport channel type 	DCH
- UL Transport channel identity	2
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
Downlink RLC logical channel info Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
Segmentation indication CHOICE Downlink RLC mode	FALSE TM RLC
- Segmentation indication	FALSE
- RB mapping info	TALOL
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
 UL Transport channel identity 	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	4
 Number of downlink RLC logical channels Downlink transport channel type 	1 DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	(This IC is reposted for TCC remarks:
TFCS IDAllowed Transport Format combination	(This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to
- Allowed Transport Format Combination	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present 3 DCHs
Added or Reconfigured TrCH information list - Added or Reconfigured UL TrCH information	J DOI IS
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	
- CHOICE Transport channel type	Dedicated transport channels

- CHOICE DL parameters

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

Same as UL

- Uplink transport channel type - UL TrCH (identity - DCH quality target - BLER Quality value - Downlink transport channel type - UL TrCH (identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH (identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH (identity - DCH quality target - BLER Quality value - Frequency - Power Control (info power control info mation - CHOICE Mode - Power Control Algorithm - TrC step size - CHOICE Mode - Downlink DPCH info common for all RL - Timing indicator - CHOICE mode - Choice mode - Primary CCPCH info - Choice mode - Primary CCPCH info - CHOICE spracese - Timeslot - Cell parameters ID - Cort indicator - Downlink DPCH info for each RL - CHOICE mode - DL CCTICH List - TrC I conding - Puncturing limit - Repetition pariod -	Information Element	Value/remark
- UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport chan		
- DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel type - ULTrCH identity - CHOICE DL parameters - Uplink transport channel type - ULTrCH identity - DCH quality target - BLER Quality value - Frequency info - UARFCN N) - Waximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SR delay - Power Control Algorithm - Power Control Algorithm - Power Control Algorithm - Power Control Algorithm - Downlink information cornom for all radio links - Downlink information for each radio link list - Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CCPCH info - CHOICE mode - Downlink information for each radio link - Choice mode - Primary CCPCH linfo - CHOICE mode - Downlink information for each radio link - Choice mode - Primary CCPCH linfo - CHOICE SyncCase - Timesiot - Choice mode - Purcuting limit - Activation time - Duration - Downlink information for each radio link - Repetition period - Nidiamble configuration burst type - Type 1 - Midiamble Allocation Mode - Midiamble Configuration burst type - Type 1 - Midia		
- BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL Trich identity - DCH quality target - BLER Quality value - Frequency info - UARTCN N) Maximum allowed UL TX power - CHOICE Channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SR8 delay - Power Control Algorithm - TPC step size - CHOICE Mode - Downlink information common for all RL - Timing indicator - CPN-targetSPR frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - CHOICE mode - CHOICE mode - CHOICE mode - Pleant DPCH Offset Value - Downlink information for each radio link ist - Downlink information for each radio link - Downlink information for each radio link - Choice mode - Pimary CCPCH info - CHOICE SyncCase - Timesiot - Choice mode - Du CCTTCH List - TFC I Downlink DPCH point of reach RL - CHOICE mode - Du CCTTCH List - TFC I Coding - Puncturing limit - Repetition length - Downlink information ine - Downlink DPCH timeslot and codes - Individual timeslot info - TTCI coding - Puncturing limit - Repetition period - Repetition length - Downlink information ine - Unimal of the model of the period - Repetition length - Downlink information information - Drownlink information information - Drownlink information information - Downlink information for each radio link - Obownlink DPCH info for each RL - CHOICE mode - Du CCTTCH List - TFCI coding - Puncturing limit - Repetition length - Downlink information information - TTCI coding - Puncturing limit - Repetition length - Downlink information information - Drownlink information information - Drownlink information for each radio link - Downlink information for each radio link - Obownlink information for each radio link - Obownlink information for each radio link - Choice mode - Downlink information for each radio link - Choice mode - Downlink information - Common timeslot info - Downlink information - Downlink information - Downlink information - Downlink		2
- Downlink transport channel type - D. Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality tratget - BLER Quality ratget - BLER Quality ratget - BLER Quality ratget - BLER Quality ratget - Uplink DPCH power control info - Uplink DPCH power control info - Uplink DPCH power control info - DPCCH power offset - CP Preamble - SRB delay - Power Control Algorithm - TrC step size - CHOICE Mode - Downlink information for a lat radio links - Downlink information for each radio link ist - Downlink information for each radio link is		Not Procent
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL Trich Identity - DCH quality target - BLER Quality value Frequency info - UARFON N) Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SR8 delay - Power Control Algorithm - TPC step size - CHOICE Mode Downlink information common for all Radio links - Downlink DPCH power control information - DPC mode - CHOICE mode - TImeslot - CHOICE SyncCase - Timeslot - Common timeslot info - Common timeslot info - Common timeslot info - CHOICE SyncCase - Timeslot number - TTCI coding - Puncturing limit - Repetition length - Downlink period - Repetition length - Midiamble configuration burst type 1 and 3 - First timeslot channelisation code - First thannelisation code - First timeslot channelisation code - First thannelisation code - First channelisation code - First channelisation code - First channelisation code - First thannelisation code - First channelisation code - First channelisation code - First channelisation code - First channelisation code - First channelisatio		
- CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality ratget - BLER Quality value - Frequency info - UARFCN N) - Waxmum allowed UL Tx power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - P. C. Prasmble - SRB delay - Power Control Algorithm - TPC step size - CHOICE Mode - Downlink DPCH not common for all RL - Timing indicator - C. FN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Default DPCH Offset Value - Downlink information for each radio link - Ohoice mode - CHOICE mode - Default DPCH Offset Value - Downlink information for each radio link - Choice mode - Primary CCPCH linfo - CHOICE SyncCase - Timeslot - CHOICE mode - Duartion - Common timeslot info - Suriting limit - Repetition length - Downlink DPCH limeslots and codes - Individual timeslot info - Timeslot channelisation code - First thannelisation code - First timeslot channelisation code - First thannelisation code - First channelisation code - First channe		
- Uplink transport channel type - UL TrCh Identity - DCH quality target - BLER Quality value Frequency info - UARFCN N) Maximum allowed UL TX power - CHOICE channel requirement - Uplink DPCH power control info - DPCCPI power offset - PC Preamble - SR8 delay - Power Control Algorithm - TPC step size - CHOICE Mode - Downlink information common for all radio links - Downlink information common for all radio links - Downlink information common for all RL - Timing indicator - CFN-targetSRN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - CHOICE mode - CHOICE mode - Primary CPC Info - Primary CPC Info - Primary CPC Info - STDD (single) - TDD (no data) Not Present Maintain Not Present Downlink DPCH info foreach radio link list - Downlink DPCH power control information - Default DPCH Offset Value Downlink information for each radio link - Choice mode - Primary CPC Info - Primary CPC Info - Primary CPC Info - STDD (single) - TDD (no data) Not Present Maintain Not Present Maintain Not Present TDD (single) - (single) - (single) - TDD (no data) Not Present Downlink DPCH info foreach RA - CHOICE mode - CHOICE mode - Primary CPC Info - Sync Case 1 - PCCPCH timeslot - Common timeslot info - Time info - Activation time - Duration - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot unmber - TPC I existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First timeslot channelisation codes - First timeslot channelisation codes - First timeslot channelisation code - First channelisation code - First timeslot channelisation codes - First timeslot channelisation codes - First timeslot channelisation code - First timeslot channelisation code - First timeslot channelisation codes - First timeslot channelisation code - First timeslot channelisation codes - First timeslot channelisation code		~
- UL TrCH identity - DCH quality larget - BLER Quality value Frequency info - UARFCN NI) 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 CHOICE Mode Downlink information common for all radio links - Downlink DPCH fin for common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Default DPCH Offset Value Downlink Information for each radio link list - Ownlink information for each radio link - Choice mode - Primary CCPCH info - CHOICE SyncCase - Timeslot - Cell parameters ID - SCTD Indicator - Downlink DPCH info for each RL - CHOICE mode - DL CCTCH List - TFCS ID - Time info - Activation time - Duration - Common timeslot info - Common timeslot info - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI coiling - Puncturing limit - Repetition period - Repetition period - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code - First thannelisation code -		
- DCH quality target - BLER Quality value Frequency info - UARFON N) Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SR8 delay - Power Control Algorithm - TPC step size CHOICE Mode Downlink DPCH info common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CPN-targetSPN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Default DPCH Offset Value Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPCH info - CHOICE syncCase - Timeslot - Cell parameters ID - SCTD indicator - Downlink DPCH info for each RL - CHOICE mode - DL CCTCH List - TFCI coling - Puncturing limit - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Repetition period - TTPCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code - First channelisation code - First the lowest numbered code that is being assigned and SF is specified in TSA1.108 dause 6 Parameter Set.		
BLER Quality value Frequency info		3
Frequency info - UARFON NO 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 - CHOICE Mode 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 - Default DPCH Offset Value Downlink information for each radio link Ist - Ochoice mode - Primary CCPCH linfo - CHOICE SyncCase - Timeslot - Cell parameters ID - SCTD Indicator - Downlink DPCH fin for oreach RL - OHOICE SyncCase - Times Information - Common timeslot info - Activation time - Duration - Common timeslot info - 2xi Interleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - OHOICE Burst Type - Type 1 - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code - First timeslot channelisation codes - First timeslot channelisation codes - First thannelisation codes - First thannelisation code - First timeslot channelisation codes - First timeslot channelisation code - First timeslot channelisation codes - First timeslot channelisation code - First timeslot channelisation code - First timeslot channelisation code - First timeslot code - First timeslot code - First timeslot info - Trace code - First timeslot channelisation codes - First timeslot code - First timeslot code - First timeslot channelisation code - First timeslot code - First timeslot code - F		Not Procent
- UARFCN NI) Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - DPCCH power control info - DPCCH power control info - DPCC power control Algorithm - TPC step size - CHOICE Mode Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH info common for all RL - Timing indicator - DPC mode - CHOICE mode - Default DPCH Offset Value Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Pimary CCPCH linfo - CHOICE SyncGase - Timeslot - Cell parameters ID - SCTD indicator - Downlink DPCH info for each RL - CHOICE mode - Ducation - Duration - Common timeslot info - Activation time - Duration - Common timeslot info - 2w interleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble configuration burst type - CHOICE burst Type - Type 1 - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code - First channelisation codes - First thannelisation codes - First thannelisation code - First channelisation code - First timeslot channelisation codes - First thannelisation code - First timeslot channelisation code - First thannelisation code		Not Present
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CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size CHOICE Mode - Downlink information common for all radio links - Downlink information common for all RL - Timing indicator - CPN-targetSPN frame offset - Downlink DPCH power control information - DPC mode - CHOICE mode - Default DPCH Offset Value Downlink information for each radio link - Choice mode - Primary CCPCH info - Yer CPCH info - CHOICE SyncCase - Timeslot - Cell parameters ID - SCTD indicator - Downlink information for each RL - CHOICE mode - DL COTTCH List - TFCS ID - Time info - Activation time - Duration - Common timeslot info - 2-a interleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code - First	1	· ·
- Uplink DPCH power control info - DPCCP power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size CHOICE Mode Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CPN-targetSPN frame offset - Downlink DPCH power control information - IPC mode - CHOICE mode - Default DPCH Offset Value Downlink information for each radio link - Choice mode - Primary CCPCH info - CHOICE SyncCase - Timeslot - CHOICE SyncCase - Timeslot - CHOICE Mode - Pownlink DPCH info for each RL - CHOICE mode - Pownlink DPCH linfo for each RL - CHOICE mode - Pownlink DPCH info for each RL - CHOICE mode - Downlink DPCH info for each RL - CHOICE mode - TTCS ID - Time info - Activation time - Duration - Common timeslot info - 2so interleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Type 1 - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Time info - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Type 1 - Time info - Midamble configuration burst - First channelisation code		
- DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size CHOICE Mode Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CPN-targetSFN frame offset - Downlink Information for each radio link ist - Downlink information for each radio link ist - Downlink information for each radio link - Choice mode - Default DPCH Offset Value Downlink information for each radio link - Choice mode - Primary CCPCH info - CHOICE SyncCase - Timeslot - Cell parameters ID - SCTD indicator - Downlink Information for each RL - CHOICE mode - DL CCTCH List - TFCS ID - Time info - Activation time - Duration - Common timeslot info - Zwinterleaving mode - TFCI coding - Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble short and burst type - CHOICE Burst Type - Type 1 - Midamble configuration burst type 1 and 3 - First timeslot channelisation code - First specified in TDD (no data) Maintain Not Present Maintain Not Present Maintain Not Present Maintain Not Present TDD		Opilitik DPCH Itilo
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- Puncturing limit - Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation code - First channelisation code - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter set 1 Empty The number of a downlink timeslot that has unassigned codes. TRUE Default As defined in 3GPP TS 25.221	,	
- Repetition period - Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		=
- Repetition length - Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number The number of a downlink timeslot that has unassigned codes. TRUE TRUE The number of a downlink timeslot that has unassigned codes. TRUE TRUE TRUE To part of a downlink timeslot that has unassigned codes. TRUE TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Trueslot number of a downlink timeslot that has unassigned codes. TRUE Obefault As defined in 3GPP TS 25.221 (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- Downlink DPCH timeslots and codes - Individual timeslot info - Timeslot number The number of a downlink timeslot that has unassigned codes. TRUE TRUE TRUE The number of a downlink timeslot that has unassigned codes. TRUE TRUE Default As defined in 3GPP TS 25.221 (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- Individual timeslot info - Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- Timeslot number - TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		The number of a downlink timeslot that has
- TFCI existence - Midamble shift and burst type - CHOICE Burst Type - Type 1 - Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- Midamble shift and burst type -CHOICE Burst Type -Type 1 -Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set	- TFCI existence	
-CHOICE Burst Type -Type 1 -Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		-
-Type 1 -Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
-Midamble Allocation Mode - Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- Midamble configuration burst type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		Default
type 1 and 3 - First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		= * * * * * * * * * * * * * * * * * * *
- First timeslot channelisation codes - First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
- First channelisation code (i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		
that is being assigned and SF is specified in TS34.108 clause 6 Parameter Set		(i/SF) where i is the lowest numbered code
TS34.108 clause 6 Parameter Set		
- Last channelisation code (i/SF) where i is the highest numbered code		
1 10 - 1	- Last channelisation code	(j/SF) where j is the highest numbered code

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

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

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

Information Flore	Valuationali
Information Element RRC State indicator	Value/remark
	CELL_DCH Not Present
UTRAN DRX cycle length coefficient CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	Not i resent
- RAB info	
- RAB identity	0000 0101B
- CN domain identity	PS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	20
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	Max DAT retransmissions
- MAX_DAT	4
- Timer_MRW	100
- MaxMRW	4
- Transmission window size	8
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
Receiving window size Downlink RLC status info	8
- Timer_status_prohibit	200
- Timer_Status_profilibit	200
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	THOU TOOGHE
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	8
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
 RLC logical channel mapping indicator Number of uplink RLC logical channels 	Not Present
Uplink transport channel type	 RACH
- UL Transport channel identity	Not Present
- Logical channel identity	7
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	8
- Downlink RLC logical channel info	_
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
	•

Information Flowers	Valuatramark
Information Element - DL DSCH Transport channel identity	Value/remark Not Present
- Logical channel identity	7
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	(This IF is seen acted for TEO seems has)
- TFCS ID - Allowed Transport Format combination	(This IE is repeated for TFC number.)
- Allowed Transport Format Combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
 TFCS complete reconfigure information 	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
0750: (Refer to TS34.108 clause 6 Parameter Set
- CTFC information - CHOICE mode	Not Present TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not i rocont
- 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
- RLC Size - 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 Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	TDD (no data)
DL Transport channel information common for all	(is sainly
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Downlink DPCH info common for all RL	Maintain
 Timing indicator CFN-targetSFN frame offset 	Maintain Not Present
- Downlink DPCH power control information	NOCT 1636HC
- CHOICE mode	TDD
- TPC step size	1 dB
- Default DPCH offset value	0
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	RCII
- Downlink transport channel type	DCH
- DL Transport channel identity - CHOICE DL parameters	6 Explicit
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number)
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set ALL
- CHOICE Logical Channel list	ALL

- CHOICE mode

Information Element Value/remark - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.10 Parameter Set - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate Reference to TS34.108 clause 6.10 Parameter Set - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set - CRC size Reference to TS34.108 clause 6.10 Parameter Set - DCH quality target - BLER Quality value -6.3 Frequency info -CHOICE mode TDD - UARFCN (Nt) Reference to clause 5.1 Test frequencies Maximum allowed UL TX power 30 dBm CHOICE channel requirement Uplink DPCH info - Uplink DPCH power control info - CHOICE mode **TDD** - UL Target SIR Reference to TS34.108 Parameter set. - CHOICE UL OL PC info Individually signalled - Uplink Timing Advance Control Not Present - UL CCTrCH List - TFCS Id - Time info (256+CFN-(CFN MOD 8 + 8))MOD 256 - Activation time - Duration **Infinite** - Common timeslot info - 2nd interleaving mode Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set - TFCI coding - Puncturing Limit Reference to TS34.108 clause 6.10 Parameter Set - Repetition Period Reference to TS34.108 clause 6.10 Parameter Set - Repetition Length Reference to TS34.108 clause 6.10 Parameter Set - First individual timeslot info - Timeslot number The number of an uplink timeslot that has unassigned codes. - TFCI existence **TRUE** - Midamble shift and burst type -CHOICE Burst Type -Type 1 -Midamble Allocation Mode - Midamble configuration burst As defined in 3GPP TS 25.221 type 1 and 3 - First timeslot channelisation codes Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. - Channelisation code (i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set. The presence of this IE depends upon the - CHOICE more timeslots number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned. Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator Maintain - CFN-targetSFN frame offset Not Present - Downlink DPCH power control information - DPC mode 0 (single) - CHOICE mode **TDD** (no data) - Default DPCH Offset Value Not Present Downlink information for each radio link list - Downlink information for each radio link - Choice mode **TDD** - Primary CCPCH info - CHOICE SyncCase Sync Case 1 - Timeslot **PCCPCH** timeslot - Cell parameters ID - SCTD indicator - Downlink DPCH info for each RL

TDD

Information Element	Value/remark
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	' ,
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has
	unassigned codes.
- TFCI existence	TRUE
 Midamble shift and burst type 	
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
 Midamble configuration burst 	As defined in 3GPP TS 25.221
type 1 and 3	
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
 Last channelisation code 	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
SCOPCH information for FACH	Not Dresout
-SCCPCH information for FACH	Not Present

Uplink counter synchronisation info

Contents of RADIO BEARER SETUP COMPLETE message: AM

Message Type RRC transaction identifier Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message. The presence of this IE is dependent on IXIT statements Integrity check info 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. This IE is checked to see if it is present. The value is used - RRC Message sequence number by SS to compute the XMAC-I value. Not checked. Uplink integrity protection activation info CHOICE mode TDD **START** Not checked COUNT-C activation time The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB establishment procedure. Else, this IE is absent. If ciphering is not activated in RADIO BEARER SETUP Radio bearer uplink ciphering activation time info message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.

Not checked

Contents of RADIO BEARER RELEASE COMPLETE message: AM

Message Type	
RRC transaction identifier	Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
CHOICE mode	TDD
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB release procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RRC CONNECTION REQUEST message: TM

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

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type	
U-RNTI	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	0
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection
	is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
	(b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the
	value of the same IE transmitted in the downlink RRC
	CONNECTION RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
 Message authentication code 	Checked to see if it's identical to the value of XMAC-I
	calculated by the SS
- RRC Message sequence number	Checked to see if it is present. This number is used by
	the SS to compute the XMAC-I
Error indication	Not checked

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

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

Information Floresus	Voluetramante
Information Element	Value/remark
Signalling RB information to setup	(UM DCCH for RRC) Not Present
RB identityCHOICE RLC info type	INOLI TESETIL
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
Transmission RES distard	Tiot i room
- 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 Downlink RLC logical channel info 	1
Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
 Logical channel identity 	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1 FACH
 Downlink transport channel type DL DCH Transport channel identity 	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
Transmission window size	130
- Transmission window size	128
- Timer_RST	500 4
- Max_RST - Polling info	4
- Folling into - Timer_poll_prohibit	200
- Timer_poll - Timer_poll	200
- Poll PDU	Not present
1 011_1 20	Hot prodont

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
 Missing PDU indicator 	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configure
 MAC logical channel priority 	2
 Downlink RLC logical channel info 	
- Number of RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	2
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
 MAC logical channel priority 	2
 Downlink RLC logical channel info 	
 Number of RLC logical channels 	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- <u>T</u> imer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
 Receiving window size 	128
- Downlink RLC status info	
 Timer_status_prohibit 	200
- Timer_EPC	Not Present
 Missing PDU indicator 	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1 RACH
- Uplink transport channel type	
- UL Transport channel identity	Not Present 3
Logical channel identity CHOICE RLC size list	
- RLC size index	Explicit List According to TS34.108 clause 6 for standalone 13.6 kbps
- NEO Size ilidex	signalling radio bearer
- MAC logical channel priority	3
- Downlink RLC logical channel info	3
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	415
_	
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present

Information Element	Value/remark
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
 Timer_poll_periodic 	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
	Not Present
- Timer_EPC	
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
 Logical channel identity 	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	A Not Decorate
- RLC logical channel mapping indicator	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	4
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
 MAC logical channel priority 	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	T
·	
channels - PRACH TFCS	Not Proport
	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
 Allowed Transport Format combination 	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
 CHOICE TFCI signalling 	Normal
 TFCI Field 1 information 	
 TFCS complete reconfigure 	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
	INOUT TESCHIL
Added or Reconfigured UL TrCH information	рон
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	

Information Element

- CHOICE Transport channel type
- Dynamic Transport format information
- RLC size
- Number of TBs and TTI lists
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size

DL Transport channel information common for all transport channel

- SCCPCH TFCS
- CHOICE mode
- CHOICE DL parameters

Added or Reconfigured TrCH information list

- Added or Reconfigured DL TrCH information
 - Downlink transport channel type
 - DL Transport channel identity
 - CHOICE DL parameters
 - Uplink transport channel type
 - UL Transport channel identity
 - -DCH quality target
 - BLER Quality target

Frequency info

Maximum allowed UL TX power

HOICE channel requirement

- Uplink DPCH power control info
 - CHOICE mode
 - UL Target SIR
 - CHOICE UL OL PC info
 - Uplink Timing Advance Control
 - UL CCTrCH List
 - TFCS Id
 - Time info
 - Activation time
 - Duration
 - Common timeslot info
 - 2nd interleaving mode
 - TFCI coding
 - Puncturing Limit
 - Repetition Period
 - Repetition Length
 - First individual timeslot info
 - Timeslot number
 - TFCI existence
 - Midamble shift and burst type
 - -CHOICE Burst Type
 - -Type 1
 - -Midamble Allocation Mode
 - Midamble configuration burst

type 1 and 3

- First timeslot channelisation codes

Dedicated transport channels

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

Value/remark

(This IE is repeated for TFI number)

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

ΔΙΪ

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

Not Present

TDD

Same as UL

DCH

10

Same as UL

DCH

5

-6.3

Not Present Not Present

Uplink DPCH info

TDD

Reference to TS34.108 Parameter set.

Individually signalled

Not Present

1

(256+CFN-(CFN MOD 8 + 8))MOD 256 Infinite

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

The number of an uplink timeslot that has unassigned codes.

TRUE

Default

As defined in 3GPP TS 25.221

Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.

Information Element	Value/remark
- Channelisation code	(i/SF) where i denotes an unassigned code
Charmonoadon codo	matching the SF specified in TS34.108 clause
	6 Parameter Set.
- CHOICE more timeslots	The presence of this IE depends upon the
Crision more unicolore	number of resources specified in TS34.108
	section 6 and the number of slots in which they
	are being assigned.
Downlink information common for all radio links	are being accigned.
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	
- Choice mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2 _{nd} interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1 -
- Repetition length	Empty
- Downlink DPCH timeslots and codes	
- Individual timeslot info	T
- Timeslot number	The number of a downlink timeslot that has
TECL evictor es	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
-CHOICE Burst Type	
-Type 1 -Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	AS GENERAL IN OUR LETO 20.221
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
i not orial mondation code	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
255 016111010641011 0000	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
Билар	the slot.
	and diot.
- CHOICE more timeslots	The presence of this IE depends upon whether
2	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present
-	

Contents of RRC CONNECTION SETUP COMPLETE message: AM

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

Contents of SECURITY MODE COMMAND message: AM

I.C. and a Florid	Will down I
Information Element	Value/remark
Message Type	Additionally and acts are interested by the second of
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	Oat to an additionally a cleated OO bits into man
- 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 sink sain a in a stinding to day to be a setion on IVIT
- 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.
Olah salam asada samanan d	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Cipnering algorithm	
Cinhavina activation time for DDCII	
	Not Present
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integrity protection mode into	
- Integrity protection mode command	
	· · · · · · · · · · · · · · · · ·
	UIA1
	· · · ·
	• •
- Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm - Integrity protection initialisation number CN domain identity UE system specific security capability	Use the same ciphering algorithm specified in "ciphering algorithm capability" IE in this message. Not Present 1 Current RLC SN+2 2 Current RLC SN+2 3 Current RLC SN + 2 4 Current RLC SN + 2 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. Start Not Present

Contents of SECURITY MODE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the
	value of the same IE transmitted in the downlink
	SECURITY MODE COMMAND message.
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used
	by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE
	COMMAND message, this IE must be absent. Else, SS
	checks this IE for the presence of activation times for all
	ciphered uplink RLC-UM and RLC-AM RBs.

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to supported CN domain as specified in the IXIT statements
NAS message	Set according to that indicated in specific message content clause
Measured results on RACH	Not checked

9.2 Default Message Contents for RF

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

9.2.1 Default Message Contents for RF (FDD)

Contents of Activate RB Test Mode message

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

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

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

Contents of Close UE Test Loop message (UE test loop mode 2 with Dummy DCCH transmission)

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h
UE test loop mode	05h

Contents of Open UE Test Loop message

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

Contents of PAGING TYPE 1 message: TM (CS)

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

Contents of PAGING TYPE 1 message: TM (PS)

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

Contents of RADIO BEARER SETUP message: AM or UM

Message Type RRC transaction identifier Integrity check info - message authentication code - message authentication code - RRC message sequence number Integrity protection in indicated to be active, this IE is present with the values of the sub IE sa as stated below. Else, this IE is present with the values of the sub IE sa as stated below. Else, this IE is present with the values of the sub IE sa as stated below. Else, this IE is present with the values of the sub IE sa 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 internat counter. Not Present N	Information Element	Condition	Value/remark
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 is of committed. RRC message authentication code RRC message sequence number Integrity protection mode info Cliphering mode info Activation time RRC MESS calculates the value of MAC-1 for this message and writes to this IE. SS provides the value of MAC-1 for this message and writes to this IE. SS provides the value of MAC-1 for this message and writes to this IE. SS provides the value of MAC-1 for this message and writes to this IE. SS provides the value of this IE, from its internal counter. Not Present	Message Type	A1,A3	
Integrity check info The presence of this IE is dependent on IXIT statements in TS 34 12-32- If integrity protection is indicated to be active, this IE is operative with the values of the sub IEs as stated below. Else, this IE is dependent on IXIT statements in TS 34 12-32- If integrity protection is indicated to be active, this IE is operated with the values of the sub IEs as stated below. Else, this IE and omitted. Sc activates the value of MAC-I for this message and writes to this IE. Sc provides the value of MAC-I for this message and writes to this IE. Sc provides the value of this IE, from its internal counter. Not Present Activation time Activation t	RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
statements in TS 3.4.123 If integrity protection is indicated to be active, this IE is present with the values of the sub-IEs are omitted. - message authentication code - RRC message sequence number Integrity protection mode info Ciphering m	Integrity check info		
- message authentication code - RRC message sequence number Integrity protection mode info Ciphering mode info Activation time New C-RNTI New C-RNTI New C-RNTI New C-RNTI New C-RNTI NRC State indicator UTRAN DRX Cycle length coefficient ON information info LRA identity - RAB information for setup - RB information to setup - C-HOICE Dubrilin RLC mode - Segmentation infolication - RLC logical channel identity - Logical channel identity - Logical channel identity - Downlink RLC logical channels - Downlink RLC logical channel - Downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channel - Downlink RLC logical channels - Downlink RLC logical channel - Downlink RLC logical channels - Downlink RLC logical channel - Do			
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- message authentication code - RRC message sequence number Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI New C-RNTI New C-RNTI New DSCH-RNTI New DSCH-RNTI New C-ROSCH (CFN MOD 8 + 8))MOD 256 Not Present Not Prese			
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RRC message sequence number Integrity protection mode info Ciphering mode info Activation time New U-RNTI New C-RNTI Not Present Use 7314 10 0000 0001B C S domain Not Present Use 7314 10 Not Present Not P	- message aumentication code		
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New DSCH-RNTI RRC State indicator UTRAN DRX cycle length coefficient UTRAN DRX cycle length coefficient UTRAN DRX cycle length coefficient URA identity URA identity RAB information to setup RAB information for setup RAB information for setup RAB information for setup RAB information indicator R-Re-stablishment timer RB information to setup ist RB information to setup RB identity PDCP info CHOICE Uplink RLC mode Transmission RLC discard Segmentation indication RB mapping info Information for each multiplexing option RLC logical channel info Information for each multiplexing option RLC logical channel info Uplink transport channel itype UL Transport channel itype UL Transport channel info Not Present Not Present RB mapping info Downlink RLC logical channels Downlink RLC logical channels Downlink RLC logical channel info Not Present Not Present Not Present Not Present Not Present Not Present Not Present Not Present Not Present Not Present Not Present ASE Configured Not Present			
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- RB identity 20			
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Information Element	Condition	Value/remark
- PDCP info	Condition	Not Present
		RLC info
- CHOICE RLC info type		
- CHOICE Uplink RLC mode		AM RLC
- Transmission RLC discard		No Discoud
- CHOICE SDU discard mode		No Discard
- MAX_DAT		15
- Transmission window size		128
- Timer_RST		500
- Max_RST		4
- Polling info		
- Timer_poll_prohibit		200
- Timer_poll		200
- Poll_PDU		Not Present
- Poll_SDU		1
- Last transmission PDU poll		TRUE
- Last retransmission PDU poll		TRUE
- Poll_Windows		99
- Timer_poll_periodic		Not Present
- CHOICE Downlink RLC mode		AM RLC
- In-sequence delivery		TRUE
- Receiving window size		128
- Downlink RLC status info		
- Timer_status_prohibit		200
- Timer_EPC		200
 Missing PDU indicator 		TRUE
- Timer_STATUS_periodic		Not Present
- RB mapping info		
 Information for each multiplexing option 		2RBMuxOptions
 RLC logical channel mapping indicator 		Not Present
 Number of uplink RLC logical channels 		1
 Uplink transport channel type 		DCH
 UL Transport channel identity 		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		RACH
- UL Transport channel identity		Not Present
- Logical channel identity		7
- CHOICE RLC size list		Explicit List
- RLC size index		Reference to TS34.108 clause 6 Parameter
		Set
- MAC logical channel priority		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		FACH
- 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	A1,A3	Not Present
Downlink counter synchronisation info	,	Not Present
UL Transport channel information for all transport	A1,A3	
channels	,	
- PRACH TFCS		Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		1.5.1.100011
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		Homia
- CHOICE TFCS representation		Complete reconfiguration
- OHOIGE TI-GO TEPTESETIATION		Complete reconfiguration

Information Element	Condition	Value/remark
- TFCS complete reconfigure information		20 20 20 20 20
- CHOICE CTFC Size	1	2 bit CTFC
- CTFC information	1	4 TFCs
- 2bit CTFC		0
- Power offset Information	1	
- CHOICE Gain Factors	1	Computed Gain Factors
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P _{p-m} - 2bit CTFC		Not Present 2
- 2011 CTPC - Power offset Information		2
- CHOICE Gain Factors		Computed Gain Factors
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P _{p-m}		Not Present
- 2bit CTFC		1
- Power offset Information		
- CHOICE Gain Factors		Computed Gain Factors
- Reference TFC ID		0
- CHOICE mode	1	FDD
- Power offset P _{p-m} - 2bit CTFC		Not Present 3
		3
Power offset Information CHOICE Gain Factors	1	Signalled Gain Factors
- CHOICE Gain Factors - CHOICE mode		FDD
- Gain factor ßc		8
- Gain factor ßd		15
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P _{p-m}		Not Present
Deleted UL TrCH information list		Not Present
Added or Reconfigured UL TrCH information list - Added or Reconfigured UL TrCH information	A1, A3	1
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport Format Information		244 hita
- RLC size - Number of TBs and TTI List		244 bits 2
- Transmission Time Interval		Not Present
- Number of Transport blocks		0
- Transmission Time Interval		Not Present
- Number of Transport blocks	1	1
- CHOICE Logical Channel List	1	ALL
- Semi-static Transport Format Information	1	
- Transmission time interval - Type of channel coding	1	20 Convolutional
- Type of channel coding - Coding Rate	1	1/3
- Rate matching attribute	1	256
- CRC size	1	16
CHOICE mode	A1, A3	FDD
- CPCH set ID	1	Not Present
- Added or Reconfigured TrCH information for DRAC	1	Not Present
list	A4 A2	
DL Transport channel information common for all transport channel	A1,A3	
- SCCPCH TFCS	1	Not Present
- CHOICE mode		FDD
- CHOICE DL parameters	<u>1 </u>	Same as UL
Deleted DL TrCH information list	A1,A3	Not Present
Added or Reconfigured DL TrCH information list	1	1
- Added or Reconfigured DL TrCH information	1	
- Downlink transport channel type	1	DCH
- DL Transport channel identity		6 Sama as III
- CHOICE DL parameters		Same as UL

Uplink transport channel type UL TrCH identity - DCH quality target - BLER Quality value Frequency info Maximum allowed UL TX power CHOICE channel requirement - Uplink DPCH power control info - CHOICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of PEID bit - Puncturing Limit CHOICE Mode - Downlink PDSCH information - CHOICE mode - Downlink PDSCH information - CHOICE mode - Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CHOICE mode - Downlink DPCH info common for all RL - Timing indicator - CHOICE mode - Downlink DPCH info common for all RL - TRUE was a fixed by the propose - CHOICE mode - DPC mode - CHOICE mode - CHOICE mode - CHOICE mode - CHOICE mode - DPCH compressed mode info - TX Diversity mode - Secondary CPICH info - Primary Scrambling code - PDSCH with SHO DCH info - Power with SHO DCH info - PDSCH with SHO DCH info - PDSCH with SHO DCH info -	Information Element	Condition	Value/remark
- UL TrCH identity			
BLER Quality value			1
Frequency info Maximum allowed UL TX power			
Maximum allowed UL TX power CHOICE Channel requirement CHOICE Choice mode C-HOICE mode			
CHOICE channel requirement - Uplink DPCH power control info - OHCICE mode - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC skep size - CHOICE mode - Scrambling code type - Scrambling code type - Strambling code type - Surambling code - Number of FIB bit - Downlink Information common for all radio links - Downlink Information for surambling code - Power offset P _{Proc.PPOCH} - Dit rate matching restriction information - Spreading factor - Fixed or Flexible Position - Trol existence - CHOICE mode - Power offset P _{Proc.PPOCH} - Duramber of bits for Pilot bits - CHOICE mode - POEC Hompressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for each radio link - CHOICE mode - Pimary carambling code - Pimary CPICH info - Pimary CPICH info - Pimary CPICH sage for channel estimation - DPCH trame offset - Secondary CPICH info - Picandry CPICH info - Spreading factor - Code number 1 128 - Chord number 1 28 - Spreading factor - Chord number - Chord nu		A1,A3	
Uplink DPCH power control info C-HOICE mode DPCCH power offset DPC Preamble SRB delay Power Control Algorithm TPC step size CHOICE mode Scrambling code type Scrambling code type Scrambling code number Number of DPDCH spreading factor TFIC existence Number of BB bit Puncturing Limit CHOICE Mode Downlink Information common for all radio links Downlink Information for mode CHOICE mode Downlink DPCH info Downlink DPCH power control information Spreading factor TRUE Nut Present 1 Topic mode CHOICE mode Power offset Ppilocoppe CHOICE SF Number of bits for Pilot bits CHOICE SF Number of bits for Pilot bits CHOICE mode Power offset Ppilocoppe CHOICE mode Pilocoppe Power offset Ppilocoppe CHOICE mode Pilocoppe Power offset Ppilocoppe Power offset Ppilocoppe CHOICE mode Pilocoppe Power offset Ppilocoppe Power offset Ppilocoppe CHOICE mode Pilocoppe Power offset Ppilocoppe Power offset Ppilocoppe CHOICE mode Pilocoppe Power offset Ppilocoppe Power offset Ppilocoppe Power offset Ppilocoppe CHOICE mode Pilocoppe Power offset Ppilocoppe Power offset Ppilocopp			
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- PC Preamble - SR8 delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit - CHOICE Mode - Downlink PDSCH information - Downlink information common for all radio links - Downlink DPCH proper control information - CFN-targetSFN frame offset - Downrink DPCH power control information - CHOICE Mode - CHOICE Mode - Hower offset Princh-DPCH - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE SF - Number of bits for Pilot bits - CHOICE SF - Number of bits for Pilot bits - CHOICE SF - Number of bits for Pilot bits - Debaut DPCH Offset Value Downlink information for per radio link list - Downlink information for per radio link - CHOICE mode - PPSCH with SHO DCH info - Primary Scrambling code - PPSCH with SHO DCH info - Pimary CPICH usage for channel estimation - DPCH trame offset - Secondary CPICH info - DL channelisation code - Spreading factor - Code number 1 frame 7 frames Algorithm Algori			FDD
- SRB delay - Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Subject of the state of	- DPCCH power offset		-6dB
- Power Control Algorithm - TPC step size - CHOICE mode - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode - Downlink Information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH proception - CHOICE mode - DPC mode - DPC mode - DPC mode - Power offset Pelion-DPDCH - TFCI existence - CHOICE FS - Number of bits for Pilot bits - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TY Diversity mode - SSDT information - Default DPCH Offset Value - Downlink information for per radio link list - Downlink information for per radio link list - Downlink information for each radio link - Pinsary scrambling code - Primary CPICH info - Pinsary scrambling code - Secondary CPICH info - DC CHOICE mode - Secondary Scrambling code - Secondary Scrambling code - Secondary Scrambling code - Secondary Scrambling code - Sepreading factor - Code number - Code number	- PC Preamble		1 frame
- TPC step size			
- CHOICE mode - Scrambling code type - Scrambling code type - Scrambling code number - Number of PDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE Mode - Downlink PDSCH information Downlink information common for all radio links - Downlink DPCH by info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - Power offset PPIoL-DPDCH - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for each radio link ist - Downlink information for each radio link - CHOICE mode - Pilmary CPICH usage for channel estimation - DPCH choice mode - Primary CPICH usage for channel estimation - DPCH trame offset - Secondary CPICH info - DL channelisation code - Secondary Scrambling code - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - Pilmary CPICH usage for channel estimation - DPCH frame offset - Secondary Scrambling code - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - Spreading factor - Code number - CHOICE mode - CHOICE mode - Spreading factor - Code number - CHOICE mode - C			
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- Number of FBI bit - Puncturing Limit CHOICE Mode - Downlink PDSCH information Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - POWER offset PPIGE-DPDCH - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information for per radio link list - Downlink information for per radio link list - Downlink information for per radio link list - Downlink information for per ach on DPCH with SHO DCH info - PISSCH code mapping - Downlink information for each RL - CHOICE mode - Primary CPICH info - Pirmary CPICH info - PDSCH with SHO DCH info - DL channelisation code - Secondary Scrambling code	- spreading factor		64
- Puncturing Limit CHOICE Mode - Downlink PDSCH information Downlink PDSCH information Downlink Information common for all radio links - Downlink Information common for all radio - Downlink information common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - DPC mode - Power offset PPINI-DPDCH - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - DPCH compressed mode info - TX Diversity mode - DSDT information - Default DPCH Offset Value Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary Scrambling code - PDSCH code mapping - Downlink DPCH info reach RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary Scrambling code			
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- Downlink DPCH info common for all RL - Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - DPC mode - Power offset PPIOL-DPDCH - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value - Downlink information for per radio link - CHOICE mode - Primary CPICH info - Primary Scrambling code - Pimary CPICH info - Primary CPICH usage for channel estimation - DPCH rame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Secondary scrambling code - Secondary scrambling code - Secondary scrambling code - Sepreading factor - Code number		A1.A3	Not i resent
- Timing indicator - CFN-targetSFN frame offset - Downlink DPCH power control information - CHOICE mode - DPC mode - DPC mode - Power offset Pelipt-DPDCH - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information for per radio link list - Downlink information for per radio link list - Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - PDSCH oxide mapping - Downlink DPCH offset Value - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code		711,710	
- Downlink DPCH power control information - CHOICE mode - DPC mode - CHOICE mode - Power offset Ppilot-DPDCH - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information for per radio link list - Downlink information for per radio link list - Downlink information for per radio link list - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH with SHO DCH info - DDCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Secondary scrambling code - Secondary scrambling code - Secondary scrambling code - Sepreading factor - Code number FDD FDD FDD FDD Primary CPICH may be used 0 chips Not Present Not Present Not Present Not Present Not Present 100 PDCH frame offset 0 chips Not Present 100 100 100 100 100 100 100 1			Maintain
- CHOICE mode - DPC mode - CHOICE mode - Power offset P _{PIOI-DPDCH} - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - CHOICE mode - Primary CPICH info - Primary Scrambling code - PDSCH with SHO DCH info - DDCH chore offset - CHOICE mode - PISCH with SHO DCH info - PDSCH with SHO DCH info - DDCH rame offset - Secondary CPICH usage for channel estimation - DPCH frame offset - Secondary Scrambling code - Secondary scrambling code - Sepreading factor - Code number			Not Present
- DPC mode - CHOICE mode - Power offset P _{Pilot-DPDCH} - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Ownlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary Scrambling code			
- CHOICE mode - Power offset P _{Pilot-DPDCH} - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFC! existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Obmylink information for per radio link - CHOICE mode - Primary CPICH info - Primary Scrambling code - PDSCH with SHO DCH info - PDSCH with SHO DCH info - PDCH frame offset - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary Scrambling code - Secondary CPICH info - DL channelisation code - Secondary Scrambling code			
- Power offset P _{Pilot-DPDCH} - DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - POSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number			
- DL rate matching restriction information - Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - PTIMARY CPICH info - Primary CPICH info - PDSCH code mapping - Downlink DPCH offset - PCHOICE mode - PTIMARY CPICH info - PDCH frame offset - CHOICE mode - PTIMARY CPICH info - DDCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number			
- Spreading factor - Fixed or Flexible Position - TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Spreading factor - Code number 128 Fixed FDD Not Present Not Present Not Present Not Present FDD Primary CPICH may be used O chips Not Present 1 28 128 128 128 128 128 128 128 128 1			Not Present
- TFCI existence - CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number			128
- CHOICE SF - Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number			
- Number of bits for Pilot bits - CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Spreading factor - Code number			_
- CHOICE mode - DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Spreading factor - Code number			
- DPCH compressed mode info - TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number Not Present Not Present FDD - Primary CPICH may be used 0 chips Not Present - 128			
- TX Diversity mode - SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number			
- SSDT information - Default DPCH Offset Value Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number	·		
Downlink information for per radio link list - Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number A1,A3 FDD Not Present Primary CPICH may be used 0 chips Not Present 1 128 0	- SSDT information		Not Present
- Downlink information for each radio link - CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Downlink DPCH info - December 100 - Not Present - Not Present - Primary CPICH may be used - O chips - Not Present - 128 - Code number - Not Present - 128			Not Present
- CHOICE mode - Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number FDD FDD Primary CPICH may be used 0 chips Not Present 1 1 28 0	·	A1,A3	
- Primary CPICH info - Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number 100 Not Present Not Present Primary CPICH may be used 0 chips Not Present 1 1 28 0			EDD
- Primary scrambling code - PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number 100 Not Present Not Present Primary CPICH may be used 0 chips Not Present 11 128 0			
- PDSCH with SHO DCH info - PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number Not Present Not Present Not Present Not Present FDD Primary CPICH may be used 0 chips Not Present 1 128			100
- PDSCH code mapping - Downlink DPCH info for each RL - CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number Not Present FDD Primary CPICH may be used 0 chips Not Present 1 128			
- CHOICE mode - Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number FDD Primary CPICH may be used 0 chips Not Present 1 128 0	- PDSCH code mapping		Not Present
- Primary CPICH usage for channel estimation - DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number Primary CPICH may be used 0 chips Not Present 1 128 0			
- DPCH frame offset - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number 0 chips Not Present 1 1 28 0			
- Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number Not Present 1 128			
- DL channelisation code - Secondary scrambling code - Spreading factor - Code number - DL channelisation code 1 1 28 0			
- Secondary scrambling code 1 - Spreading factor 128 - Code number 0			1.51.1.00011
- Spreading factor 128 - Code number 0			1
	- Spreading factor		128
- Scrambling code change No change			-
	- Scrambling code change		No change
- TPC combination index - SSDT Cell Identity Not Present			•
- SSDT Cell Identity - Closed loop timing adjustment mode Not Present Not Present			
- SCCPCH information for FACH Not Present			

Co	ondition	Explanation
A1		This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is
		selected.
A3	A3 This IE is needed for acknowledged mode.	
NOTE:	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.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
	(b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	TRUE
requirement	
- UE radio access TDD capability update	FALSE
requirement	
 System specific capability update requirement list 	Gsm
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	1
- Downlink RLC logical channel info	
Number of RLC logical channels	1
Downlink transport channel type	FACH
	Not Present
- DL DCH Transport channel identity	
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	I (AM DOOLL (*** DDO)
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	

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

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

Information Element	Value/remark
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_States_profiler	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i rosont
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	·
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
,	'

Information Element	Value/remark
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	Complete recomingulation
- CHOICE CTFC Size	2 bit CTFC
- CTFC information	2 TFCs
- 2bit CTFC	0
- Power offset Information	U
- CHOICE Gain Factors	computed Coin Factors
- Reference TFC ID	computedGainFactors
- CHOICE mode	0
	FDD
- Power offset Pp-m - 2bit CTFC	Not Present
- Power offset Information	1
- CHOICE Gain Factors	signalledGainFactors
- CHOICE mode	FDD
- Gain factor ßc	15
- Gain factor ßd	15
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information list	1
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport Format Information	
- RLC size	96 bits
- Number of TBs and TTI List	2
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- Transmission Time Interval	Not Present
- Number of Transport blocks	1
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format Information	
- Transmission time interval	40
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	256
- CRC size	12
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured DL TrCH information list	1
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	SameasUL
- Uplink transport channel type	DCH
- UL TrCH Identity	5
- DCH quality target	
- BLER Quality value	-2.0
=	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	

Information Element	Value/remark
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P Pilot-DPDCH	0
 DL rate matching restriction information 	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for per radio links list	
-Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	100
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- CHOICE mode	FDD
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	256
- Code number	0
- Scrambling code change	Not present
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of SECURITY MODE COMMAND message: AM

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

9.2.2 Default Message Contents for RF (TDD)

Contents of Activate RB Test Mode message

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

Contents of Close UE Test Loop message

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

Contents of Open UE Test Loop message

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

Contents of PAGING TYPE 1 message: TM (CS)

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

Contents of PAGING TYPE 1 message: TM (PS)

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

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1,A3	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		present with the values of the sub IEs as
		stated below. Else, this IE and the sub-IEs are
		omitted.
 message authentication code 		SS calculates the value of MAC-I for this
		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI		Not Present
New C-RNTI		Not Present
New DSCH-RNTI		Not Present
RRC State indicator		CELL_DCH
UTRAN DRX cycle length coefficient		Not Present
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup list	A1	
- 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 list		
- RB information to setup		40
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type - CHOICE Uplink RLC mode		RLC info TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		TALOL
- Information for each multiplexing option		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		7
- Downlink RLC logical channel info		
Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
RAB information for setup list	A3	
- 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 list		
- RB information to setup		
- RB identity		20
		·

- PROCE Info - CHOICE RLC info type - CHOICE SUD idiscard mode - Transmission RLC discard - CHOICE SUD idiscard mode - MAX_DAT - Transmission window size - Timer RST - Max_RST - Polling pile prohibit - Timer pell prohibit - Polling pile prohibit	Information Element	Condition	Value/remark	
- CHOICE RLC info type - CHOICE Spul discard - CHOICE Spul discard mode - Transmission RLC discard - CHOICE Spul discard mode - MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Last transmission PDU poll - TIME TRUE - TRUE - TRUE - Last transmission PDU poll - TRUE - Last transmissio		Condition		
CHOICE SUDIN RLC mode Transmission RLC discard - CHOICE SDU discard mode - MAX DAT Transmission window size Timer_RST - Max_RST - Polling info - Timer_poll_prohibit Timer poll - Poll SDU Last transmission PDU poll - Last retransmission PDU poll - Foll Windows - Timer_poll_periodic - CHOICE Dominik RLC mode - In-sequence delivery - Receiving window size - Timer_poll_periodic - CHOICE Dominik RLC mode - In-sequence delivery - Receiving window size - Dominik RLC logical channel - Timer_EPC - Missing PDU indicator - Timer_STATUS_periodic - RIB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel identity - CHOICE RLC size list - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Downlink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Downlink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Uplink RLC logical channels - Downlink transport channel identity - Logical channel mapping indicator - Number of downlink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channel identity - Logic				
- Transmission RLC discard - CHOICE SDU discard mode - MAX DAT - Transmission window size - Timer_RST - Polling info - Timer_poll prohibit - Timer_poll pr				
- CHOICE SDU discard mode - MAX_DAT - Transmission window size - Timer_RST - Polling info - Timer_poll_prohibit - Timer poll - Poll SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - Horsequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer_poll_periodic - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Downlink RLC logical channel identity - Logical channel priority - Logical channel priority - Logical channel identity - Logical channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel identity - Logical channel priority - Logical channel priority - Logical channel priority - Logical channel priority - Downlink transport channel identity - Downl			1 /	
- MAX_DAT - Transmission window size - Timer_RST - Max_RST - Polling info - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Timer_poll_prohibit - Last transmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - Timer			No discard	
- Transmission window size - Timer, RST - Max, RST - Polling info - Timer, poll prohibit - Timer, poll prohibit - Timer, poll prohibit - Last retransmission PDU poll - Poll, Windows - Timer, poll periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer, EPC - Missing PDU Indicator - Timer, STATUS, periodic - RB mapping info - Information for each multiplexing option - RLC logical channel identity - Logical channel identity - Logical channel identity - Logical channel priority - Dub DCH Transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Downlink RLC logical channels - Downlink RLC logical channels - Uplink transport channel lidentity - Logical channel mapping indicator - Number of uplink RLC logical channels - Downlink RLC logical channels - Uplink transport channel identity - Logical channel identity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel lidentity - Logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink RLC logical channels - Downlink transport channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink transport channel identity - CHOICE RLC size list - RLC size index - MAC logical channel priority - Downlink transport channel identity - CHOICE RLC size list - RLC size index - RLC size index - RLC size index - RLC size index - RLC size index - RLC size index - RLC size index - RLC size index - RLC size index -			15	
- Max, RST - Poling info - Timer_poll prohibit - Timer_poll - Poll SDU - Last transmission PDU poll - Last retransmission PDU poll - Poll_Windows - Timer_poll_periodic - CHOICE Downlink RLC mode - In-sequence delivery - Receiving window size - Downlink RLC status info - Timer_status_prohibit - RB mapping info - Information for each multiplexing option - RLC logical channel mapping indicator - Number of uplink RLC logical channels - Uplink transport channel identity - Logical channel identity - LOGICE RLC size list - MAC logical channel priority - Downlink RLC logical channels - Downlink RLC logical channels - Uplink transport channel identity - Logical channel identity - Logical channel identity - Logical channel identity - Logical channel identity - CHOICE RLC size list - RLC size index - MAC logical channel identity - Downlink RLC logical channels - Downlink RLC logical chann			128	
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RB information to be affected list Downlink counter synchronisation info UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode -Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS - Allowed Transport Format combination - PRACH TFCS - PRACH TFCS - Allowed Transport Format combination - PRACH TFCS - CHOICE Mode - Individual UL CCTrCH information - TFC number.) - PRACH TFCS - CHOICE Mode - Individual UL CCTrCH information - TFC number.) - PRACH TFCS - CHOICE Mode - Individual UL CCTrCH information - TFC number.) - TFC number.)				
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UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode -Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS A1,A3 Not Present TDD (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)		A1,A3		
channels - PRACH TFCS - CHOICE mode - Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS Not Present TDD (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)		A4 A0	NOT Present	
- PRACH TFCS - CHOICE mode -Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS Not Present TDD (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)		AT,A3		
- CHOICE mode -Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS - CHOICE mode -Individual UL CCTrCH information - TDD (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)			Not Present	
-Individual UL CCTrCH information - TFCS ID - Allowed Transport Format combination - PRACH TFCS (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)				
- TFCS ID - Allowed Transport Format combination - PRACH TFCS (This IE is repeated for TFC number.) 0 to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) (This IE is repeated for TFC number.)				
- Allowed Transport Format combination O to MaxTFCvalue-1 (MaxTFCValue is refer to TS34.108 clause 6 Parameter Set.) - PRACH TFCS (This IE is repeated for TFC number.)			(This IE is repeated for TEC number.)	
TS34.108 clause 6 Parameter Set.) - PRACH TFCS (This IE is repeated for TFC number.)				
- PRACH TFCS (This IE is repeated for TFC number.)				
	- PRACH TFCS			
	- CHOICE TFCI signalling		Normal	

Information Element	Condition	Value/remark
- TFCI Field 1 information		
- TFCS complete reconfigure information		
- CHOICE TFCS Size		Number of used bits must be enough to cover
		all combinations of CTFC from clauses 6.
		Refer to TS34.108 clause 6 Parameter Set
- CTFC information		Not Present
- CHOICE mode		TDD
- Individual UL CCTrCH information		Not Present
Deleted UL TrCH information list		Not Present
Added or Reconfigured UL TrCH information list	A1	1
- 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
The manufactor T' 1 ()		Set
- Transmission Time Interval		Not Present
- Number of Transport blocks		1
- CHOICE Logical Channel List		ALL
Semi-static Transport Format Information Transmission time interval		Peterence to TS24 109 clause 6 10 Peremeter
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Type of charmer county		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
County Nate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
rate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE mode	A1, A3	TDD (no data)
DL Transport channel information common for all	A1,A3	
transport channel		
- SCCPCH TFCS		Not Present
- CHOICE mode		TDD
- CHOICE DL parameters		Independent (Refer to TS34.108 clause 6)
Deleted DL TrCH information list	A1,A3	Not Present
Added or Reconfigured DL TrCH information list		1
- 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		Deference to TCC4 400 clause C
- BLER Quality value	A4 A0	Reference to TS34.108 clause 6
Frequency info	A1,A3	Not Present
Maximum allowed UL TX power		30dBm
CHOICE channel requirement - Uplink DPCH power control info		Uplink DPCH info
- CHOICE mode		TDD
- UL Target SIR		Reference to TS34.108 Parameter set.
- CHOICE UL OL PC info		Individually signalled
- Individual timeslot interference info		marviadally digitalion
- Individual timeslot interference		
- DPCH Constant Value		Values are used for open loop power control,
2. 311 Soliotani Valuo		section 8 in TS 25.331
- Uplink Timing Advance Control		Not Present
- UL CCTrCH List		
- TFCS Id		1
- Time info		
		1

Information Element	Condition	Value/remark
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
- Duration		Infinite
- Common timeslot info		I IIIIIIIC
		Reference to TS34.108 clause 6.10 Parameter
- 2 _{nd} interleaving mode		Set
- TFCI coding		Reference to TS34.108 clause 6.10 Parameter
- Puncturing Limit		Set Reference to TS34.108 clause 6.10 Parameter
- Repetition Period		Set Reference to TS34.108 clause 6.10 Parameter
- Repetition Length		Set Reference to TS34.108 clause 6.10 Parameter
		Set
- First individual timeslot info		T
- Timeslot number		The number of an uplink timeslot that has
		unassigned codes.
- TFCI existence		TRUE
- Midamble shift and burst type		
-CHOICE Burst Type		
-Type 1		
-Midamble Allocation Mode		Default
 Midamble configuration burst 		As defined in 3GPP TS 25.221
type 1 and 3		
 First timeslot channelisation codes 		Repeated (1,2) for each channelisation code
		assigned in the slot to meet the needs of
		TS34.108 clause 6 Parameter Set.
- Channelisation code		(i/SF) where i denotes an unassigned code
		matching the SF specified in TS34.108 clause
		6 Parameter Set.
- CHOICE more timeslots		The presence of this IE depends upon the
Of IOIOE more unicaids		number of resources specified in TS34.108
		section 6 and the number of slots in which they
		are being assigned.
CHOICE Mode		TDD (no data)
Downlink information common for all radio links	A1,A3	(no data)
- Downlink DPCH info common for all RL	Α1,Α3	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		NOT FIESEIIL
- CHOICE mode		TDD
- DPC mode		
		0 (single)
- Default DPCH Offset Value	14.40	Not Present
Downlink information for per radio link list	A1,A3	
- Downlink information for each radio link		TOD
- CHOICE mode		TDD
- Primary CCPCH info		
- CHOICE SyncCase		Sync Case 1
- Timeslot		PCCPCH timeslot
- Cell parameters ID		0
- SCTD indicator		
- Downlink DPCH info for each RL		
- CHOICE mode		TDD
- DL CCTrCH List		
- TFCS ID		1
- Time info		
- Activation time		(256+CFN-(CFN mod 8 + 8))mod 256
- Duration		infinite
- Common timeslot info		
- 2nd interleaving mode		Reference to TS34.108
- TFCI coding		TRUE
- Puncturing limit		Reference to TS34.108 clause 6 Parameter
. astarring mint		set
- Repetition period		1
		Empty
- Renetition length		1 1 1 1 1 1 1 V
- Repetition length		
 Downlink DPCH timeslots and codes 		
 Repetition length Downlink DPCH timeslots and codes Individual timeslot info Timeslot number 		The number of a downlink timeslot that has

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

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 ca	ase of Performance Requirement and RRM test cases, A1 or A3 is selected according to the
combina	ation of UL and DL channels or test requirements.

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type	
U-RNTI	This IE is set to the following value when the message is
	transmitted on the DCCCH. When transmitted on
	CDCCH, this is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection
	is indicated to be active, this IE is present with the
	values of the sub IEs as stated below. Else, this IE and
	the sub-IEs are omitted.
	(b) This IE is present when this message is transmitted on
	downlink DCCH. Else, this IE and the sub-IEs are
	omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other
11000	connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	FALSE
requirement	
- UE radio access TDD capability update	TRUE
requirement	
- System specific capability update requirement list	Gsm
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	

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

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	,
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	000
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	Not i room
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
	1
- Number of RLC logical channels	
- Uplink transport channel type	DCH
-UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
 Logical channel identity 	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	3
- Downlink RLC logical channel info	-
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3 (AM DOCULton NAS, DT Love priority)
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	0.0004 0.00
- 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 Configured
- CHOICE RLC size list	Configured 4
- MAC logical channel priority - Downlink RLC logical channel info	4
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	TDD
-Individual UL CCTrCH information	
- UL TFCS ID	(This IE is repeated for TFC number.)

Value/remark Information Element - UL TFCS - TFC subset Default value is the complete existing set of transport format combinations 0 to MaxTFCvalue-1 (MaxTFCValue is refer to - Allowed Transport Format combination TS34.108 clause 6 Parameter Set.) - PRACH TFCS (This IE is repeated for TFC number.) - CHOICE TFCI signalling Normal - TFCI Field 1 information - TFCS complete reconfigure information - CHOICE TFCS Size Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to TS34.108 clause 6 Parameter Set - CTFC information Not Present - CHOICE mode **TDD** - Individual UL CCTrCH information Not Present Deleted TrCH information list Not Present Added or Reconfigured UL TrCH information list - Added or Reconfigured UL TrCH information - Uplink transport channel type DCH - UL Transport channel identity 5 - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport Format Information According to TS34.108 clause 6 - RLC size - Number of TBs and TTI List (This IE is repeated for TFI number) - CHOICE mode - Transmission Time Interval According to TS34.108 clause 6 - CHOICE Logical channel list ΑII - Semi-static Transport Format information DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode TDD Same as UL - CHOICE DL parameters Added or Reconfigured DL TrCH information list - Added or Reconfigured DL TrCH information DCH - Downlink transport channel type 10 - DL Transport channel identity Same as UL - CHOICE DL parameters - Uplink transport channel type DCH - UL TrCH Identity - DCH quality target - BLER Quality value Reference to TS 34.108 Frequency info Not Present Maximum allowed UL TX power Not Present CHOICE channel requirement Uplink DPCH info - Uplink DPCH power control info - CHOICE mode - UL target SIR Reference to TS34.108 Parameter set TDD - CHOICE mode Individually signalled - CHOICE UL OL PC info - Individual timeslot interference info Not Present - Individual timeslot interference - DPCH Constant Value - Primary CCPCH Tx Power Not Present - Time info - Activation time (256+CFN-(CFN MOD 8 + 8))MOD 256 - Duration Infinite - Common timeslot info

Information Element	Value/remark
- 2 _{nd} interleaving mode	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI coding	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Period	Reference to TS34.108 clause 6.10 Parameter Set
- Repetition Length	Reference to TS34.108 clause 6.10 Parameter Set
 Uplink DPCH timeslots and codes 	Default is to use the old timeslots and codes
- CPCH SET Info	(no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
	Arbitrary set to value 0300000 by step of 312
Downlink information for per radio links list	
-Downlink information for each radio links	TDD
- CHOICE mode	TDD
- Primary CCPCH info	
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2 _{nd} interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
Repetition lengthDownlink DPCH timeslots and codes	Empty
- CHOICE more timeslots	
- Timeslot number	The number of a downlink timeslot that has
. IIII OO O TIGINI SOI	unassigned codes in a frame.
- Individual timeslot info	
- TFCI existence	TRUE
- Midamble shift and burst type	
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default CORP TO CO.
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	
- First timeslot channelisation codes - First channelisation code	(i/SE) where i is the lowest numbered and
- riist channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
2330 010011010001011 0000	that is being assigned in the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	, ,
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	, ,
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE. If the UE has indicated support for ciphering algorithm
	UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare	Spare 2-15 = FALSE
 Integrity protection algorithm capability UIA1 	000000000000010B (UIA1) TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Use the same ciphering algorithm specified in "ciphering"
- Ciphering activation time for DPCH	Not Present
Radio bearer downlink ciphering activation time info	Not i resent
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
 Integrity protection mode command 	Start
 Downlink integrity protection activation info 	Not Present
 Integrity protection algorithm 	UIA1
 Integrity protection initialisation number 	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

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 rep128 : 13,
                     sib-PosOffsetInfo {
                           so2,
                           so2
                     }
                 }
             }
             sib-Type sysInfoType6 : 1,
             scheduling {
                 scheduling {
                     segCount 3,
                     sib-Pos rep128 : 21,
                     sib-PosOffsetInfo {
                          so2,
                           so2
                 }
            }
             sib-Type sysInfoType7 : NULL,
             scheduling {
                 scheduling {
                     segCount 1,
                     sib-Pos rep128 : 11
             }
             sib-Type sysInfoType11 : 1,
             scheduling {
                 scheduling {
                     segCount 2,
                     sib-Pos rep128 : 29,
                     sib-PosOffsetInfo {
                          so2
                 }
            }
             sib-Type sysInfoType12 : 1,
             scheduling {
    scheduling {
                     segCount 2,
                     sib-Pos rep128 : 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 \text{ ms} 400,
        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 utra-FDD,
                 mappingFunctionParameterList {
                     {
                          functionType linear,
                         mapParameter1 1,
                         mapParameter2 1,
                         upperLimit 1
                     }
                 }
            }
        cellSelectQualityMeasure cpich-Ec-N0 : {
            q-HYST-2-S 0
        },
        modeSpecificInfo fdd : {
            s-Intrasearch 8,
             s-Intersearch 8,
            s-SearchHCS 5,
            q-QualMin -20,
            q-RxlevMin -58
        q-Hyst-1-S 0,
        t-Reselection-S 0,
        hcs-ServingCellInformation {
```

```
hcs-PRIO 0,
            q-HCS 0,
            t-CR-Max notUsed : NULL
        },
        maxAllowedUL-TX-Power 33
    },
    cellAccessRestriction {
        cellBarred notBarred : NULL,
        {\tt cellReservedForOperatorUse\ notReserved},
        cellReservationExtension notReserved,
        accessClassBarredList {
             notBarred,
             not Barred.
             notBarred,
             notBarred
    }
}
SysInfoType4
    cellIdentity '00000000 00000000 00000000 0001'B,
    cellSelectReselectInfo {
        mappingInfo {
                rat utra-FDD,
                mappingFunctionParameterList {
                    {
                         functionType linear,
                        mapParameter1 1,
                        mapParameter2 1,
                        upperLimit 1
                }
            }
        cellSelectQualityMeasure cpich-Ec-N0 : {
           q-HYST-2-S 0
        modeSpecificInfo fdd : {
            s-Intrasearch 8,
            s-Intersearch 8,
            s-SearchHCS 5,
            q-QualMin -20,
            q-RxlevMin -58
        },
        q-Hyst-l-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
        }
    }
}
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 111111111'B,
                    availableSF sfpr64,
                    preambleScramblingCodeWordNumber 0,
                    puncturingLimit pl1,
                    availableSubChannelNumbers '11111111 1111'B
            },
            transportChannelIdentity 15,
            rach-TransportFormatSet commonTransChTFS : {
                tti tti20 : {
                        rlc-Size fdd : {
                           octetModeRLC-SizeInfoType2 sizeType1 : 15
                        numberOfTbSizeList {
                             one : NULL
                        logicalChannelList configured : NULL
                        rlc-Size fdd : {
                           octetModeRLC-SizeInfoType2 sizeType2 : 3
                        numberOfTbSizeList {
                             one : NULL
                        logicalChannelList 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
        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 111111111'B,
                availableSF sfpr64,
                preambleScramblingCodeWordNumber 0,
                puncturingLimit pl1,
                availableSubChannelNumbers '11111111 1111'B
        },
        transportChannelIdentity 15,
        rach-TransportFormatSet commonTransChTFS : {
            tti tti20 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    numberOfTbSizeList {
                         one : NULL
                    logicalChannelList configured : NULL
                },
{
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType2 : 3
                    numberOfTbSizeList {
                         one : NULL
                    logicalChannelList 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 {
                        {\tt 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
        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 {
        {\tt 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
       }
   }
SysInfoType7
Analyzed Text:
    modeSpecificInfo fdd : {
       ul-Interference -100
   prach-Information-SIB5-List {
   prach-Information-SIB6-List {
SysInfoType11
    sib12indicator TRUE,
   measurementControlSysInfo {
       use-of-HCS hcs-not-used : {
            cellSelectQualityMeasure cpich-RSCP : {
                intraFreqMeasurementSysInfo {
                    intraFreqMeasurementID 1,
                    intraFreqCellInfoSI-List {
                        removedIntraFreqCellList removeAllIntraFreqCells : NULL,
                        newIntraFreqCellList {
                                intraFreqCellID 0,
                                    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,
                    {\tt 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 : {
                             \verb"intraFreqRepQuantityRACH-FDD" no Report
                     },
                    maxReportedCellsOnRACH noReport,
                     reportingInfoForCellDCH {
                         intraFreqReportingQuantity {
                             activeSetReportingQuantities {
                                 sfn-SFN-OTD-Type noReport,
                                 cellIdentity-reportingIndicator TRUE,
                                 {\tt cellSynchronisationInfoReportingIndicator\ FALSE,}
                                 modeSpecificInfo fdd : {
                                     cpich-Ec-N0-reportingIndicator FALSE,
                                     cpich-RSCP-reportingIndicator TRUE,
                                     {\tt pathloss-reportingIndicator}\ {\tt FALSE}
                             monitoredSetReportingQuantities {
                                 sfn-SFN-OTD-Type noReport,
                                 cellIdentity-reportingIndicator TRUE,
                                 {\tt cellSynchronisationInfoReportingIndicator\ FALSE,}
                                 modeSpecificInfo fdd : {
                                     cpich-Ec-N0-reportingIndicator FALSE,
                                     cpich-RSCP-reportingIndicator TRUE,
                                     pathloss-reportingIndicator FALSE
                             }
                         measurementReportingMode {
                             measurementReportTransferMode acknowledgedModeRLC,
                             periodicalOrEventTrigger eventTrigger
                         reportCriteria intraFreqReportingCriteria : {
                             eventCriteriaList {
                                 {
                                     event ela : {
                                         triggering {\tt Condition} \ active {\tt SetAndMonitoredSetCells},
                                          reportingRange 5,
                                          w 1,
                                         reportDeactivationThreshold t3,
                                         reportingAmount ra-Infinity,
                                         reportingInterval ri4
                                     hysteresis 0,
                                     timeToTrigger ttt640,
                                     {\tt 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-N0-reportingIndicator FALSE,
                                  cpich-RSCP-reportingIndicator TRUE,
                                  pathloss-reportingIndicator FALSE
                          },
                          monitoredSetReportingQuantities {
                             sfn-SFN-OTD-Type noReport,
                              cellIdentity-reportingIndicator TRUE,
                              cellSynchronisationInfoReportingIndicator FALSE,
                              modeSpecificInfo fdd : {
                                  cpich-Ec-N0-reportingIndicator FALSE,
                                  cpich-RSCP-reportingIndicator TRUE,
                                  pathloss-reportingIndicator FALSE
                              }
                          }
                     },
                     measurementReportingMode {
                          {\tt measurementReportTransferMode} \ {\tt 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
                             }
} }
                        }
```

Annex B (informative): Change history

Meeting -1st- Level	Doc-1st- Level	CR	Rev	Subject	Cat	Version- Current	Version- New	Doc-2nd- Level
TP-08				Approval of the specification		2.0.0	3.0.0	
TP-09	TP-000131	001		RRC Message Contents: RLCSize	С	3.0.1	3.1.0	T1-000190
TP-09	TP-000131	002		RRC Message Contents: RLCParam	С	3.0.1	3.1.0	T1-000191
TP-09	TP-000131	003		RRC Message Contents: PCPreamble	C	3.0.1	3.1.0	T1-000192
TP-09	TP-000131	004		RRC Message Contents: RBIdentity	С	3.0.1	3.1.0	T1-000193
TP-09	TP-000131	005		RRC Message Contents: TrCHParam	С	3.0.1	3.1.0	T1-000194
TP-09	TP-000131	006		RRC Message Contents: UECapability	С	3.0.1	3.1.0	T1-000195
TP-09	TP-000131	007		RRC Message Contents: RBMapping	С	3.0.1	3.1.0	T1-000196
TP-09	TP-000131	008		RRC Message Contents: PagingCause	С	3.0.1	3.1.0	T1-000197
TP-09	TP-000131	009		RRC Message Contents: CipheringAndIntegrity	С	3.0.1	3.1.0	T1-000197
TP-09	TP-000131	010		RRC Message Contents: RLCInfo	С	3.0.1	3.1.0	T1-000199
TP-09	TP-000131	011		RRC Message Contents: CompressedMode	С	3.0.1	3.1.0	T1-000199
TP-09	TP-000131	012		RRC Message Contents: SIB	С	3.0.1	3.1.0	T1-000200
TP-09	TP-000131	012			D			
TP-09		013		RRC Message Contents: PhyCH	С	3.0.1	3.1.0	T1-000202
	TP-000131			RRC Message Contents: Measurement		3.0.1	3.1.0	T1-000203
TP-09	TP-000131	015		RRC Message Contents: TFCS	С	3.0.1	3.1.0	T1-000204
TP-09	TP-000131	016		RRC Message Contents: DPCHFrameOffset	С	3.0.1	3.1.0	T1-000205
TP-09	TP-000131	017		Test USIM Parameters	F	3.0.1	3.1.0	T1-000215
TP-09	TP-000131	018		Correction to definition of the test algorithm for	F	3.0.1	3.1.0	T1-000164
TD 00	TD 000404	040		authentication (clause 8.1.2)	_	0.0.4	0.4.0	T4 000040
TP-09	TP-000131	019		Reference Radio Bearer Configurations	F	3.0.1	3.1.0	T1-000212
TP-09	TP-000131	020		TDD Single mode	F	3.0.1	3.1.0	T1-000220
TP-10	TP-000215	021		Common generic procedure for AS testing	В	3.1.0	3.2.0	T1-000294
TP-10	TP-000215	022		Tcell parameter	F	3.1.0	3.2.0	T1-000303
TP-10	TP-000215	023		Minimum Performance Levels	F	3.1.0	3.2.0	T1-000306
TP-10	TP-000215	024		Downlink signal conditions and propagation conditions	D	3.1.0	3.2.0	T1-000307
TP-10	TP-000215	025		Updating 34.108 v3.1.0 to TDD single mode	F	3.1.0	3.2.0	T1-000281
TP-10	TP-000215	026		Application of integrity mode protection to signalling message by default	F	3.1.0	3.2.0	T1-000296
TP-10	TP-000215	027		Updates to the default message contents in clause 9	С	3.1.0	3.2.0	T1-000282
TP-10	TP-000215	028		Updates to System Information Block (SIB) and Master Information Block (MIB) messages	С	3.1.0	3.2.0	T1-000283
TP-10	TP-000215	029		Application of ciphering during conformance testing	С	3.1.0	3.2.0	T1-000285
TP-10	TP-000215	030		Addition for System Information parameters (34.108 clause 6.1)	F	3.1.0	3.2.0	T1-000304
TP-10	TP-000215	031		Correction for Generic Setup Procedures (34.108 clause 7.2)	F	3.1.0	3.2.0	T1-000305
TP-11	TP-010018	032		Default radio conditions for multi-cell environment	F	3.2.0	3.3.0	T1-010078
TP-11	TP-010018	032		Correction for Generic Setup Procedures (34.108	F	3.2.0	3.3.0	T1-010078
				clause 7.2)				
TP-11	TP-010018	034		Corrections for Test USIM Parameters(34.108 clause 8)		3.2.0	3.3.0	T1-010080
TP-11	TP-010018	035		Correction of clause number in TS 34.108.	D	3.2.0	3.3.0	T1-010081
TP-11	TP-010018	036		Update of authentication test algorithm	С	3.2.0	3.3.0	T1-010082
TP-11	TP-010018	037		Updates to clause 9 of TS 34.108 v3.2.0	F	3.2.0	3.3.0	T1-010084
TP-11	TP-010018	038		Updating to TDD single mode	F	3.2.0	3.3.0	T1-010088
TP-11	TP-010018	039		Simulated network environments for TDD mode (SIB)	F	3.2.0	3.3.0	T1-010089
TP-12	TP-010118	040		Corrections to clause 6.10 FDD parameters	F	3.3.0	3.4.0	T1-010205
TP-12	TP-010118	041		Corrections to clause 6.10 TDD parameters	F	3.3.0	3.4.0	T1-010206
TP-12	TP-010118	042		Adding section for radio bearer configurations intended for functional testing	D	3.3.0	3.4.0	T1-010210
TP-12	TP-010118	043		Update of list of abbreviations	D	3.3.0	3.4.0	T1-010211
TP-12	TP-010118	044		Updates to clause 6.1 and 9	F	3.3.0	3.4.0	T1-010212
TP-12	TP-010118	045		Updates to clause 7.4	F	3.3.0	3.4.0	T1-010213
TP-12	TP-010118	046			F	3.3.0	3.4.0	T1-010214
TP-12	TP-010118	047		Editorial corrections and removal of a reference document	F	3.3.0	3.4.0	T1-010215
TP-13	TP-010215	048		Correction to reference	F	3.4.0	3.5.0	T1-010275
TP-13	TP-010215	049		Editorial modification for References	F	3.4.0	3.5.0	T1-010276

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Level	Level	_				Current	New	Level
TP-13	TP-010215	051		Update to Scope Statement	F	3.4.0	3.5.0	T1-010278
TP-13	TP-010215	052		Clause 6.10 Definition of RB configurations, TDD parameters	F	3.4.0	3.5.0	T1-010279
TP-13	TP-010215	053		Updates to clause 6.1, clause 7.4 and clause 9	F	3.4.0	3.5.0	T1-010280
TP-13	TP-010215	054		Clause 6.1: Default radio conditions for Signalling tests	F	3.4.0	3.5.0	T1-010281
TP-13	TP-010215	055		Correction of Radio Bearer Configurations for FDD Mode	F	3.4.0	3.5.0	T1-010282
TP-13	TP-010215	056		Correction of Radio Bearer Configurations for TDD Mode	F	3.4.0	3.5.0	T1-010283
TP-13	TP-010215	057		Changes to Signalling Radio Bearer (SRB) numbering	F	3.4.0	3.5.0	T1-010284
TP-13	TP-010215	058		Missing bearers in tables 6.10.2.1.1 and 6.10.3.1.1	F	3.4.0	3.5.0	T1-010285
TP-13	TP-010215	059		Correction of system information block 5	F	3.4.0	3.5.0	T1-010286
TP-13	TP-010215	063		Clause 6.11 RBs for RLC and PDCP testing	F	3.4.0	3.5.0	T1-010290
TP-14	TP-010285	064	1	Correction to 6.1 Contents of System Information Blocks	F	3.5.0	3.6.0	T1-010474
TP-14	TP-010285	066	1	Corrections to clause 6.1, 7.4 and 9	F	3.5.0	3.6.0	T1-010472
TP-14	TP-010258	068		Reference Radio Conditions	F	3.5.0	3.6.0	T1-010460
TP-14	TP-010258	070		Modification of Test procedures for RF tests	F	3.5.0	3.6.0	T1-010462
TP-14	TP-010258	072		Default message contents for RF tests	F	3.5.0	3.6.0	T1-010464
TP-14	TP-010258	074		Correction to 6.10 Reference Radio Bearer configurations	F	3.5.0	3.6.0	T1-010466
TP-14	TP-010258	076		Definition of default value of rate matching attribute	F	3.5.0	3.6.0	T1-010468
TP-14	TP-010258	078		Update of clause 7.4 and 6.10	F	3.5.0	3.6.0	T1-010470
TP-14	TP-010291	080		Correction on introduction of section 6.10	F	3.5.0	3.6.0	
TP-15	TP-020038	082		Diversity (SCTD)		3.6.0	3.7.0	T1-020091
TP-15	TP-020038	084		Update of reference radio conditions	F	3.6.0	3.7.0	T1-020097
TP-15	TP-020038	086		Update of system reference configurations and default messages		3.6.0	3.7.0	T1-020099
TP-15	TP-020038	088		Corrections to 34108-360	F	3.6.0	3.7.0	T1-020101
TP-15	TP-020038	090		Introduction of new Reference RABs (LS from RAN T1-020025)	F	3.6.0	3.7.0	T1-020194
TP-15	TP-020038	092		Clarification of bit rate of Interactive/Background PS RAB function	F	3.6.0	3.7.0	T1-020105
TP-15	TP-020038	093		Update of SIBs for TDD mode in TS34.108 (Rel99) Correction of CR implementation errors in clauses:	F	3.6.0 3.7.0	3.7.0 3.7.1	T1-020106
				6.10.2.2, 6.10.2.4.1.23 and 6.10.2.4.1.58.2.1.1		00		
TP-16	TP-020141	096		Correction to clause 7.3.3.4 RADIO BEARER SETUP message	F	3.7.1	3.8.0	T1-020271
TP-16	TP-020141	097		Change of RM attribute of DL:3.4 kbps SRBs for DCCH in TS34.108 for R99	F	3.7.1	3.8.0	T1-020272
TP-16	TP-020141	098		New additional RAB configuration (R1-020669) for R99	F	3.7.1	3.8.0	T1-020273
TP-16	TP-020141	099		Correction of Puncturing Limit for RABs in TS34.108 for R99	F	3.7.1	3.8.0	T1-020274
TP-16	TP-020141	100		Test USIM	F	3.7.1	3.8.0	T1-020275
TP-16	TP-020141	101		Section 6.1 (SIBs)Rel 99 TDD	F	3.7.1	3.8.0	T1-020276
TP-16	TP-020141	102		Section 6.10 References for TDD about Clarification of bit rate of Interactive/Background PS RAB	F	3.7.1	3.8.0	T1-020277
TP-16	TP-020141	103		Correction to default message on clause 9 for Rel'99	F	3.7.1	3.8.0	T1-020278
TP-16	TP-020141	104		Correction to clause 6.1for Rel'99	F	3.7.1	3.8.0	T1-020279
TP-16	TP-020141	105		WCDMA1800 additions for Rel'99	F	3.7.1	3.8.0	T1-020280
TP-16	TP-020141	106		Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection	F	3.7.1	3.8.0	T1-020281
TP-16	TP-020141	107			F	3.7.1	3.8.0	T1-020282
TP-16	TP-020141	120		TDD Rel 99(TS34.108) Update of generic setup procedures to use 13.6 kbps SPR in PRC connection actablishment	F	3.7.1	3.8.0	T1-020433
TP-17	TP-020184	122	-	SRB in RRC connection establishment Alignment of reference configurations on S-CCPCH	F	3.8.0	3.9.0	T1-020502
TP-17	TP-020184	124	-	Addition of reference compressed mode pattern	F	3.8.0	3.9.0	T1-020504
TP-17	TP-020184	126	-	Corrections to default message contents as T1S-	F	3.8.0	3.9.0	T1-020506
TP-17	TP-020184	128	-	Additional default message contents for RF Testing	F	3.8.0	3.9.0	T1-020508
TP-17	TP-020184	130	-	Corrections related to SIB11, SIB12 and to the	F	3.8.0	3.9.0	T1-020526
TP-17	TP-020184	132	-	Corrections to clause 6.1 (T1S-020348rev1)	F	3.8.0	3.9.0	T1-020529
TP-17	TP-020184	134	-	Introduction of reference configurations on S-CCPCH	F	3.8.0	3.9.0	T1-020538

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TP-17	TP-020184	136	-	Removal of reference radio bearer configurations for	F	3.8.0	3.9.0	T1-020540
TP-17	TP-020184	139	-	Some corrections and updates in clause 6.1 TS	F	3.8.0	3.9.0	T1-020575
TP-17	TP-020184	141	-	Inclusion of default message contents for RF in clause	F	3.8.0	3.9.0	T1-020577

History

	Document history				
V3.0.1	June 2000	Publication			
V3.1.0	September 2000	Publication			
V3.2.0	January 2001	Publication			
V3.3.0	March 2001	Publication			
V3.4.0	June 2001	Publication			
V3.5.0	September 2001	Publication			
V3.6.0	December 2001	Publication			
V3.7.0	March 2002	Publication (Withdrawn)			
V3.7.1	March 2002	Publication			
V3.8.0	June 2002	Publication			
V3.9.0	September 2002	Publication			